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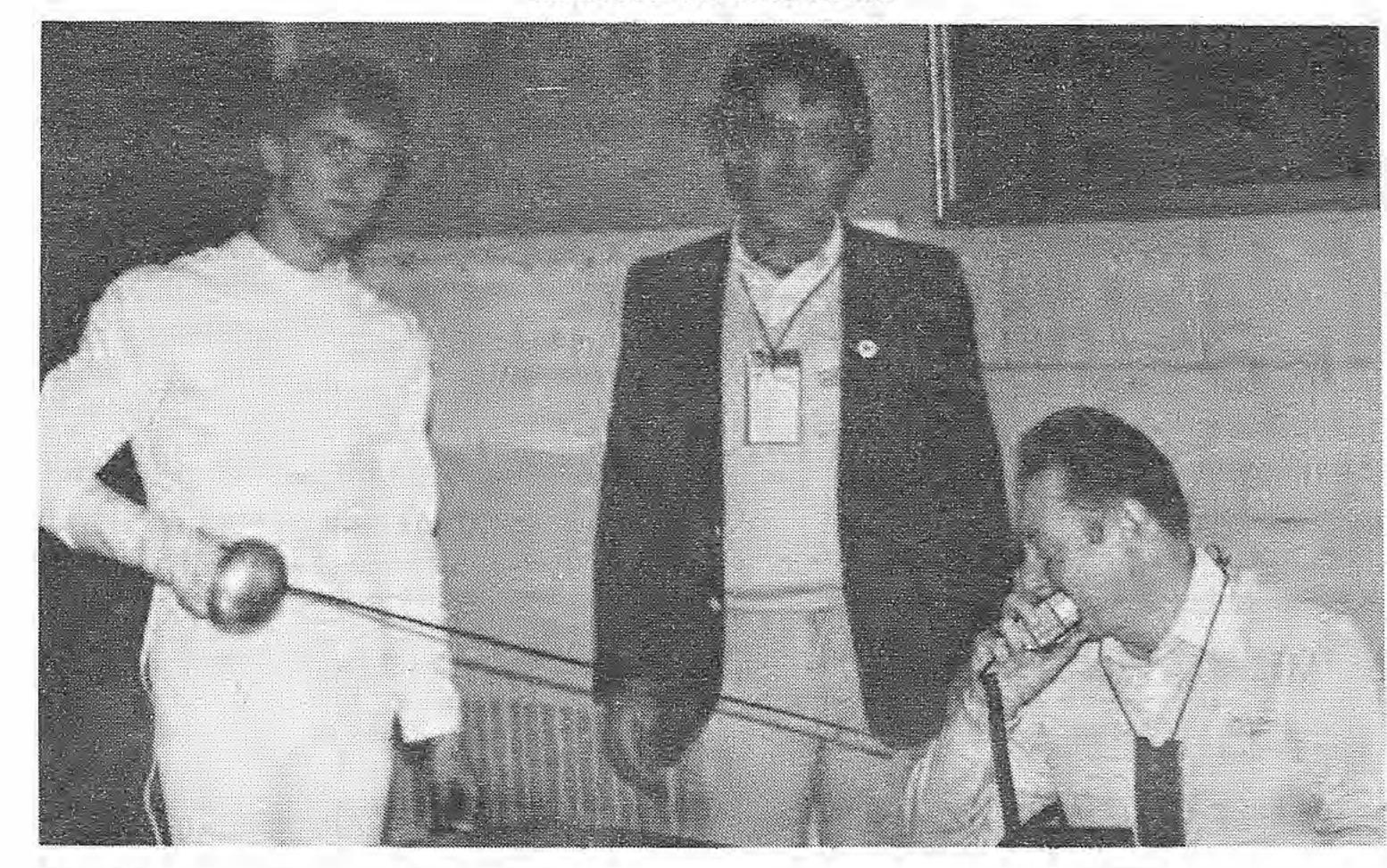
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Vol. 20, No. 3 June 1985



Diz, VE3ZK Convention Chairman



I get the point.

That's what Fred, VE3DVI of NPARC communication team seems to be telling Guenther Schweigl of Ryerson at the O.W.G. Fencing Competition. Guenther's father is VE3CVS. Also in the picture is Harris Goodman of O.W.G. Transportation Committee.

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to a non-member

In this issue

- CZ30WG
- 75th Girl Guides CG3SAS
- VHF-UHF
- Convention Guide
- OntarioBicentennialAwards
- And much more

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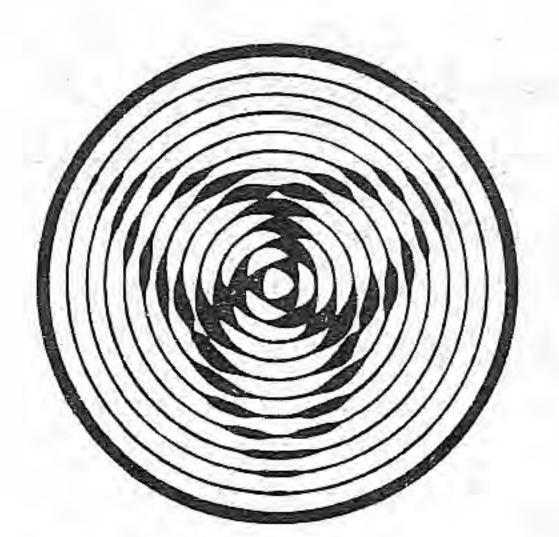
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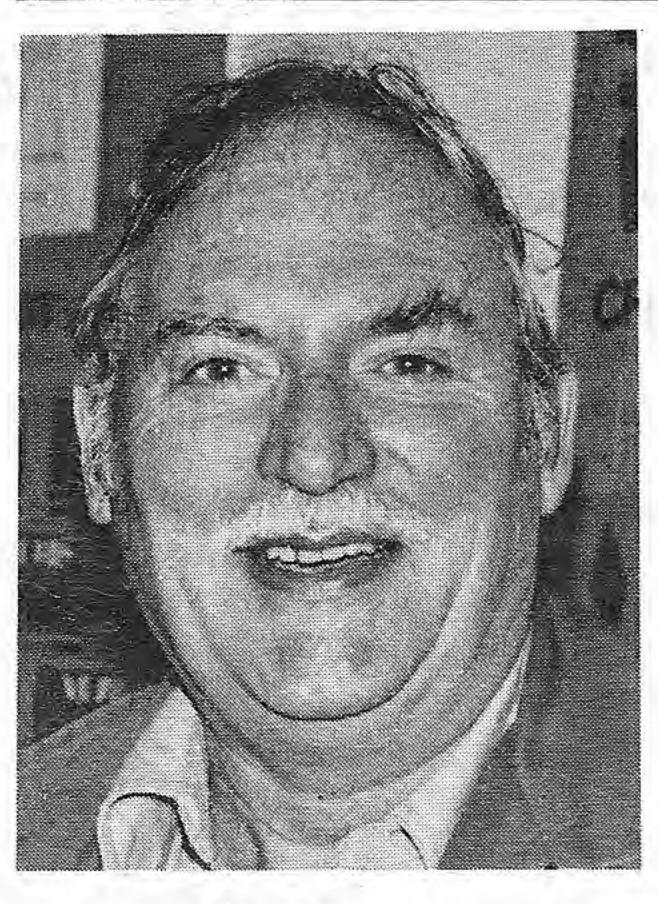
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To promote the interest of the amateur radio fraternity, and to improve communications between clubs and societies, material published in TOA may be reproduced in bulletins and newsletters of bona fide clubs. An appropriate acknowledgement of the source would be appreciated.

All correspondence for the RSO should be sent to: The Radio Society of Ontario, P.O. Box 246, Port Credit Postal Station, Mississauga, Ont. L5G 4L8. All articles for the TOA should be sent to: Ray Pellowe, VE3BAK, 7 Doncliff Drive, Toronto, Ontario M4N 2E5. All Club News should be sent to: Dave Digweed, VE3FOI, 12 Frederick Street, St. Catharines, Ontario L2R 2S2.

Advertising - Rate and copy information, please contact Joan Powell, VE3FVO, P.O. Box 390, RR2, Nepean, Ontario K7R 3H1.

President's message



As you read about our convention in this issue, you will notice that the convention committee has provided something for everyone. Diz De Zorzi and his committee are burning a lot of midnight oil to put together "The Best Show Yet." They have done their job, now it's up to us to go to London in September and make it a success. The Banquet promises to be something special in the way of entertainment (much much better than the head table.)

It is with regret that I must report the resignation of Dave Digweed, VE3FOI. As the Editor of the TOA and the RSO Bulletins, Dave has done a superb job over the last two years and is to be commended for all the time and effort he has put in on behalf of the members of the RSO. Dave has agreed to stay on to assist as Club Editor ... so please keep sending your club information.

Mr. Ray Pellowe, VE3BAK, has agreed to take the position of the TOA Editor. Ray has been a Ham for many years and has recently retired from teaching at the School of Optometry, University of Waterloo.

ONTARS will be at the convention and will operate from there by using as many of the regular controllers as possible. Here is a chance to eyeball some of the net controllers who make the Net the success it is.

Hope to see as many delegates as possible at the Semi-Annual meeting in Guelph.

73. Al, VE3DQJ

RSO Directors

Dick Atkinson, VE3JBO Ron Bell, VE3BDZ Bob Chrysler, VE3IEL Chesley Colwell, VE3DOX Evan Herriott, VE3IND John Micsinszki, VE3FIO Al Stevens, VE3DQJ



Here we are again. The robins have landed, along with many of the Snow Birds so YOU know that summer is coming. This will be my last Editorial as your Editor. It has been very interesting to be able to put in print the goings on of the RSO and the Amateurs of Ontario. I hope you have enjoyed it as much as I have. The RSO is GROWING, The Ontario Amateur is your magazine. I have seen a keen interest in its growth. LET'S KEEP IT GROWING. Your articles are needed to maintain the interest. The NEW Editor is VE3BAK, Ray Pellowe of Toronto. Let's ALL of us Welcome Ray with lots of material - especially of atechnical nature. I will help Ray do the Club News service, so keep the Bulletins coming to me. I want to thank the people at LEE PRINTING here in St. Catharines, especially Louise who, without her guidance and extra work, the TOA wouldn't have gotten out on time. I know that these people know what amateur radio operators are now. I would like to thank my wife and son for the many many hours spent "in the back room" typing, typing, taking phone calls, etc., etc. but without their support, I couldn't have done the job. Thanks to all those that have sent their articles in every issue on time, Richard 3CIE, Fred AFA, Garry 3XN, Glen VE3DSP and the others who gave of their time and talents to make this work. Let's all continue.

I recently heard that a good amateur friend of mine, VE3FMB Art of Burlington has become a silent key. For those of you that knew Art, your memories will have a most personal message to silent key. Art and I go to know one another via the QRP club about 15 years ago. He was also a past Editor of this The Ontario Amateur magazine, and when he heard that I was going to be the new Editor, he immediately offered his help in any way that he could. He passed on to me some original TOA's dated when the RSO was just formed and in the process of being formed. Art also was a hard worker for the Burlington ARC with their Milton Fleamarket. SO ART, we know how you supported RSO and ONTARS as well as the CFARS network. YOU will be missed, but NOT forgotten. "OVER, OVER."

In this issue we have a section on the Convention that will give you a picture of what will be taking place come Sept. in London. Pictures of the Ontario Winter Games operation as well as the Anniversary of Canadian Girl Guides is also documented.

Have a GREAT SUMMER and a safe one. CU AGN ON THE AIR OR AT THE VARIOUS HAMFESTS. KEEP RSO GROWING. 73. Dave, VE3FOI

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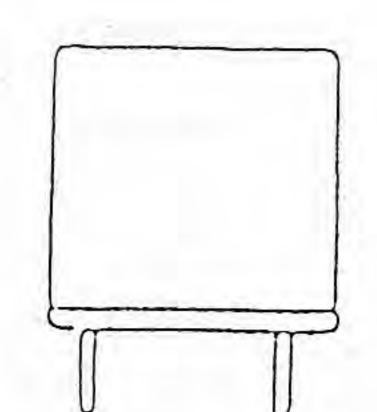
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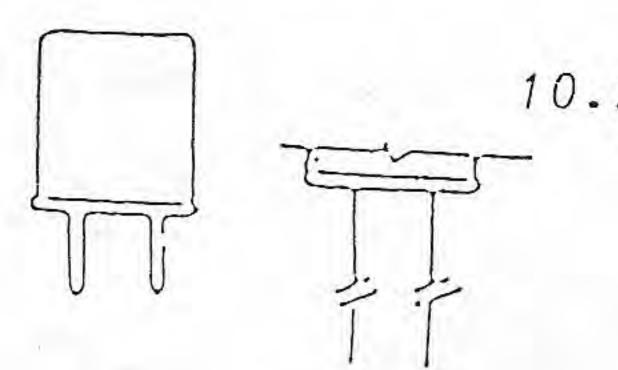


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The above holders accommodate the majority or requirements.

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Dominion Tapes for Jocelyn Lovell

While I was vacationing in Florida this winter, Dominion Stores Ltd. discontinued their tape plan due to the purchase of their operation by A & P Stores. Fortunately, Al, VE3DQJ (my OM) had to return to Toronto in March to attend to his business for a week and so he hurriedly tabulated all the tapes that had come in during my absence and submitted them to Dominion Stores before the deadline of March 31st, '85. I have just received a Grand Total cheque from Dominion Stores Ltd. in the amount of \$791.44 for all the tapes submitted. At this time, I wish to thank all the generous and considerate hams, both individuals and clubs, who collected and mailed tapes to me for Jocelyn. The Dominion cheque when added to local Thornhill Club Trust Fund Account, which is presently \$888.72 gives us a grand total of \$1,680.16. Jocelyn has gone through a tremendous number of changes this past year...from Lyndhurst Rehabilitation Hospital to his small, inadequate house, then in February a move into his newly renovated, larger house. In March his small business (Lovell Sportswear) which his wife runs, moved to new quarters, and his wife is keeping him busy working in the shop and he is very excited about taking driving instruction to learn to drive his special van himself. Needless to say, mobility and independence comes before hobby. I don't want to put any pressure on Jocelyn but I'm sure he will let me know when he is ready to start studying for his ticket. I hasten to assure all concerned that Jocelyn is still very interested in getting his licence. Food City also have a tape plan. A few amateurs have been sending me tapes from Food Clty and I plan to continue tabulating these tapes to be put toward accessories for a ham shack. When Jocelyn receives his licence, this radio equipment will be provided for Jocelyn with the understanding that should he lose interest somewhere down the road, or, God forbid, leave this world prematurely, the equipment would be returned to the Thornhill Radio Amateurs' Club for use by another disabled ham.

Libby, VE3IOT

Welcome

Welcome

To Skip Wright, VE3BBS, who is now an OF-FICIAL RSO BULLETIN STATION from Thunder Bay, Ontario. Catch te reading on Wednesday, 147.82 on the Salt Mine Net at 0600 hrs local time. (Now let's hear from the Lakehead.)

To Jim, VE3DCX our RSO Technical Editor and Librarian.

Ontario QSL Cards

These cards are too wide for the normal envelope. Cut off bottom 1/2 inch. The necessary data is still OK. Much easier on the QSL Bureaus.

VE3CNE

The ham station at the "Ex" needs volunteers to help operate. If you want to help, call **Stan Treby**, **VE3HT**, 104 Cottonwood Drive, Don Mills, Ont. M3C 2B4. Telephone: (416) 444-0318.

Letters to the Editor

Dear Dave:

Just a short note to let you know that I received the Magazine that you sent me.

I have sent two cheques, one to RSO and the other to CARF for a one year membership in each organization.

Many thanks.

Regards. Ron Skobutan, VE3 CRS

Dear Dave:

On behalf of the Algoma Amateur Radio Club, I thank you for your letter dated December 27, 1984. Sorry for the delay in replying. Personal activities, ham activities and my duties as Bulletin Editor somehow have a way of causing such a delay. However, I will present your letter along with the reply to our club meeting in May.

Regarding the Wintario grant information, it was I who undertook the business of contacting our local Wintario people and securing the necessary documentation. Your input has been informative Dave, and we certainly will keep in touch with you if necessary, in the future.

I am also involved in the New Horizons project as a director along with quite a few other local hams. I will see to it that you receive information and photographs of VE3 SCA very soon now. Like any other project Dave, things take time. However, we now have the station in operational condition. More will follow regarding this so that you may publish in *The Ontario Amateur*.

Keep up the good work down there and we will do likewise Dave. Thank you again for your interest.

Yours truly and 73
Jim Scotland, VE3ADP
Editor - The Algoma Amateur
The Algoma Amateur Radio Club
P.O. Box 86, Sault Ste. Marie, Ontario

Here's a letter that was addressed to our VHF/UHF column writer Richard Miller, VE3CIE. I thought you might like to see it.

Dear Richard:

Sincere congratulations on a most well-deserved January 1985 QST Front-Cover Award, for your excellent article *Radio Aurora*.

As I explained on the telephone, it is particularly gratifying to see a Canadian Amateur receiving such critical acclaim from QST, the truly international amateur radio journal.

I am pleased to enclose the plaque and I look forward to meeting you personally. If not at the CRRL booth at the Guelph Hamfest, then certainly at the RSO/CRRL convention in London next September.

Your continuing interest in, and support of, amateur radio is much appreciated.

73.
Sincerely
Thomas B.J. Atkins, VE3CDM
President, CRRL Inc.

WANTED

Wanted by VY1CF. BEARCAT SCANNER No. 210-XL needs service information. Send information to VY1CF, room 241, Federal Bldg., Whitehorse, Y1A 2C3.

Special Prefixes?

Here's a letter sent to Mr. Arthur B. Carew, Manager, Frequency Assignments, Department of Communications, 300 Slater Street, Ottawa, Ont. K1A 0C8 by the secretary of the CRRL, Mr. Harry MacLean, VE3 GRO. Read on.

Dear Mr. Carew:

For some time now, DOC, the Department of Communications, has made a practice of issuing special Amateur Radio callsign prefixes to commemorate special events. This practice has been appreciated by the amateur community. However, there have been a number of concerns:

- 1. Often, the prefixes are issued through DOC regional or district offices. Organizations such as CRRL and CARF are not made aware of developments. Obtaining correct information to pass on to the amateur community becomes a problem.
- 2. Occasionally, several DOC regional offices issue prefixes for the same event. DOC, Ottawa, may issue prefixes for that event as well. This is what happened with special prefixes to commemorate seventy-five years of Girl Guides. Again, obtaining correct information to pass on to the amateur community becomes a problem.
- 3. Sometimes a particular prefix is reissued too soon after it has been used for another, often unrelated event.
- 4. Occasionally, DOC's choice of a particular prefix causes concern in one or other part of the amateur community. The choice of V03 for an Ontario event is a recent example.

Of course, whenever there is a problem, radio amateurs tend to hold DOC responsible.

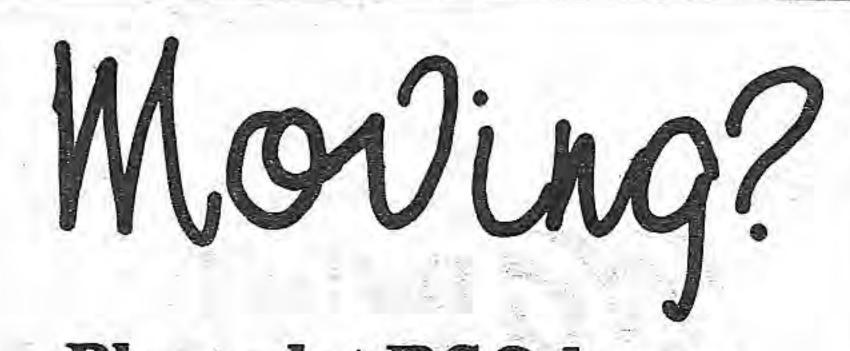
We would like to help. We would propose that in the future, DOC direct all applications for special Amateur Radio callsign prefixes to a committee of amateurs; that this committee consist of four or five people; two designated by CRRL, two by CARF, and possibly one by RAQI; that the committee have a regional balance; that the committee review all applications for special prefixes that have been approved by the committee.

We believe that the benefits of this proposal will be obvious. We understand from talking with people at DOC, Ottawa, that DOC will be receptive to adopting this proposal. This is goodnews. We look forward to hearing from you soon.

Sincerely, Harry MacLean, VE3GRO CRRL Inc. Secretary

New Repeater

Larry Allan, VE3FXQ has set up a repeater at Sunnybrook Hospital for use by Hams there. Call VE3SBH, 145.15 and up 600.



Please let RSO know your new address.

You wouldn't want to miss us.

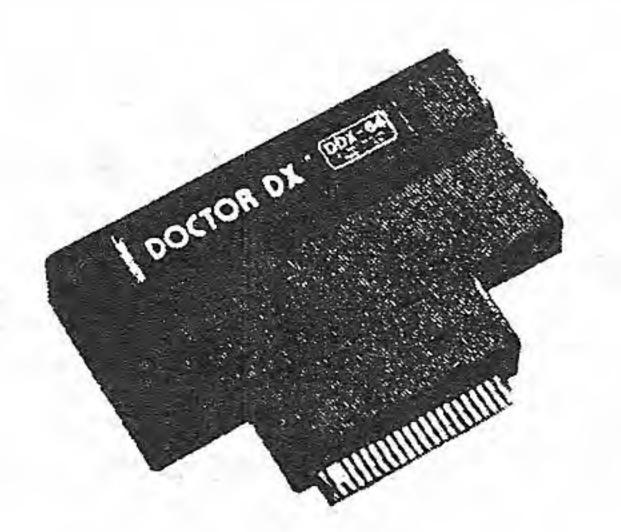
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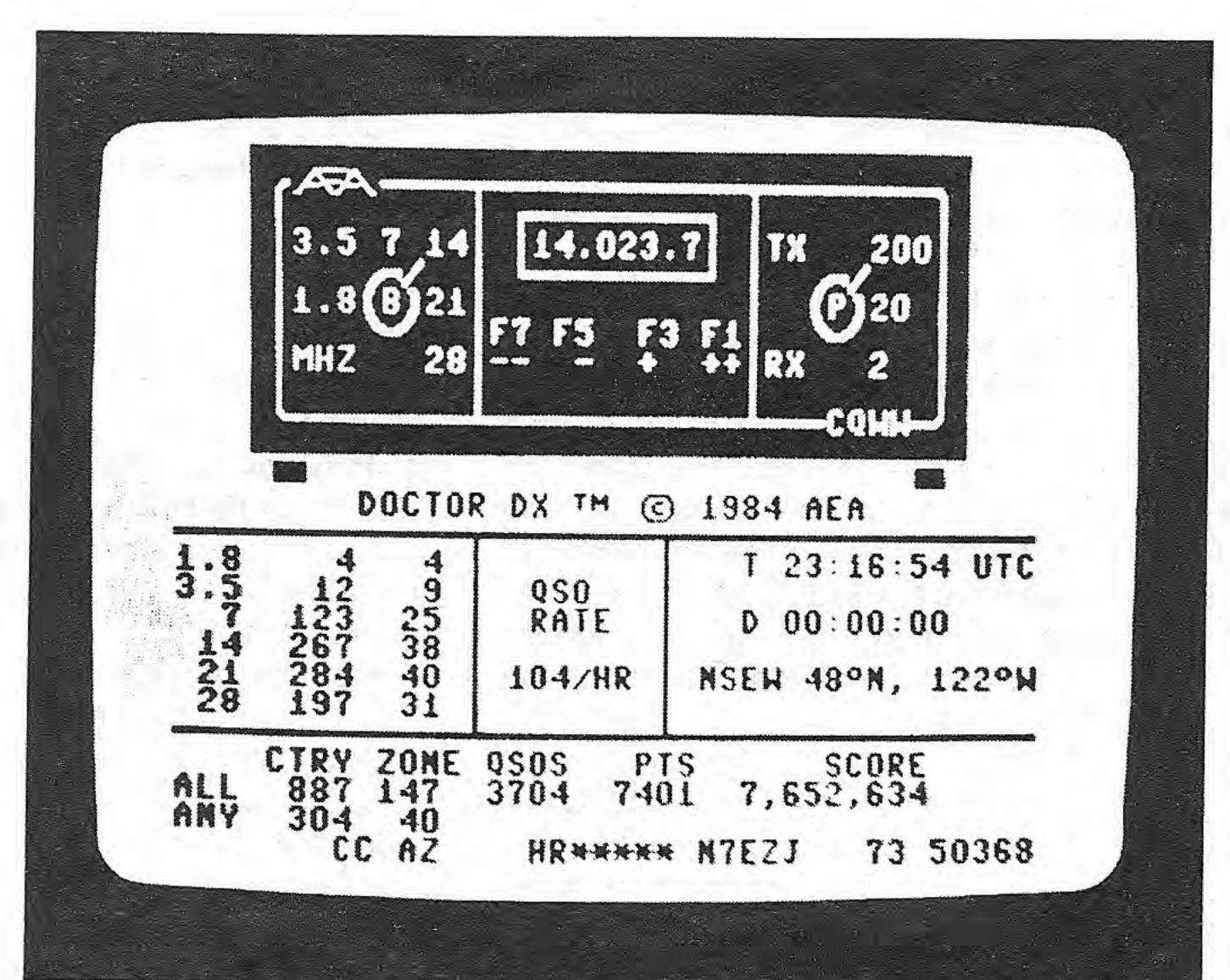
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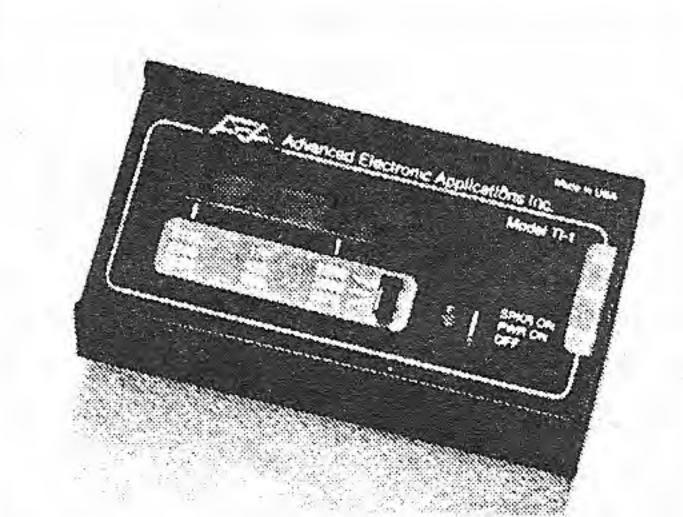




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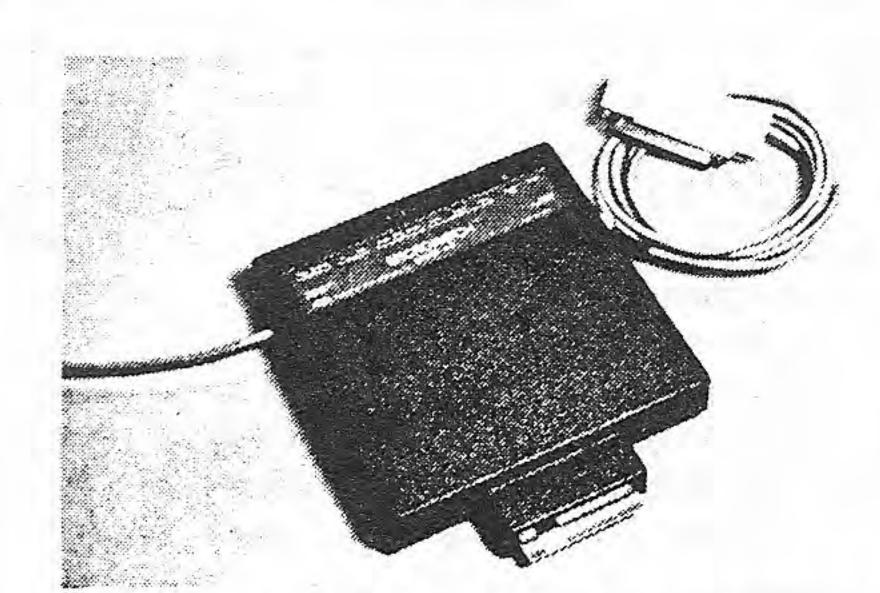


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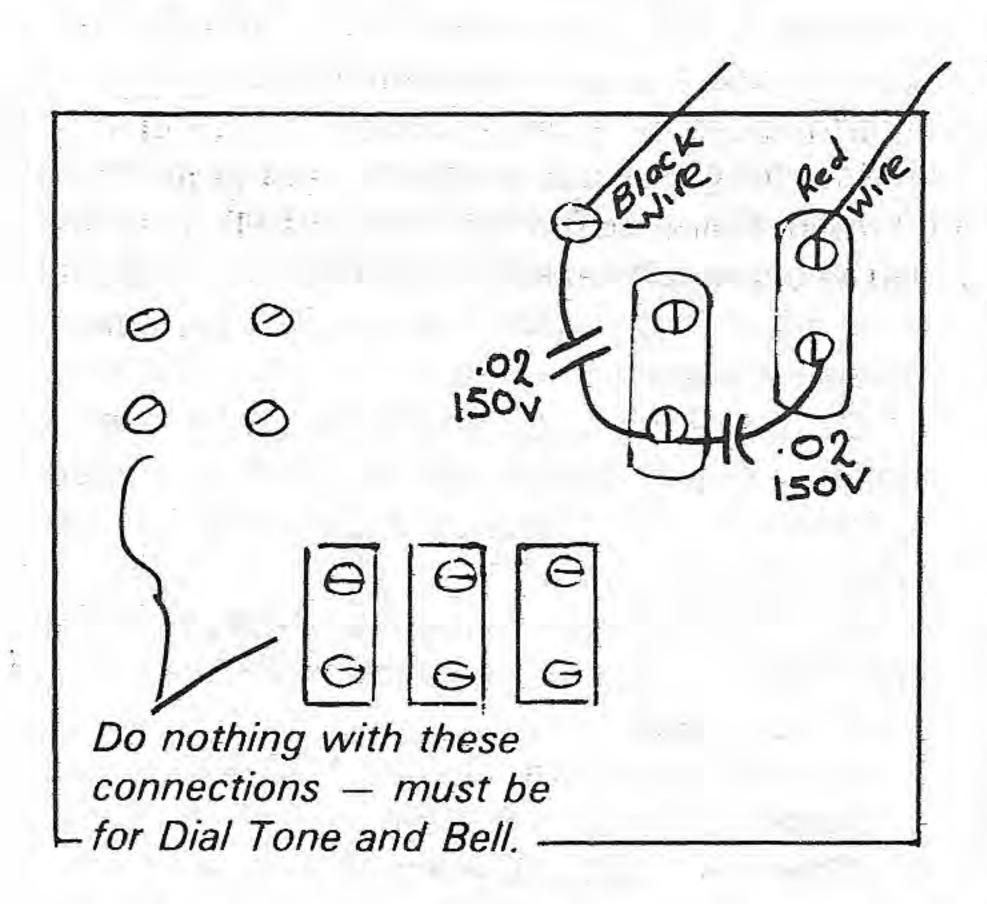
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Tech Notes Telephone Interference Problems

About three years ago, I overheard a Ham who is also a Bell engineer telling another ham how to fix his phone, so I wrote to him and he sent me four .02 150 volt condensers so I was able to fix the two phones here. The condensers are connected from the Red and Black wires to the ground as below.



On the bottom of the phone, if it is the cradle type, you will see two screws — loosen them off and the metal base and plastic top will separate and you will see all the connections as above. You will have to get small condensers to fit into the small amount of room.

If the phone is not the cradle type, there must be some way to open it up and find the Red and Black and Ground connections.

Good luck and 73.

Slim, VE3AKW

WANTED: Amateur Radio Operators

For the 1985 Boy Scout Canada Jamboree to operate VE3SCJ from July 4th to July 11th at the Guelph Lake Conservations Area. Operation will be on CW, SSB, RTTY, etc. Free camping and one meal per day will be provided. For more information please contact Bob VE3LDU at (519) 485-2495 or Cliff VE3LSJ at (519) 423-6405 or via ONTARS net 3755KHz daily from 7:00 a.m. to 6:00 p.m.

Please send payment to: RADIO SOCIETY OF ONTARIO INC. Box 246, Port Credit Postal Station Mississauga, Ontario L5G 4L8

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Announcing: Special Event Stations:

XJ4RMP special event for the 100th Birthday of Parks Canada. Operation will be from Riding Mountain National Park on high frequencies from June 29 to August 29.

Also on CW will be **XJ4AEX** on 14.012 Mhz. For a commemorative QSL card send SASE to VE3AKN, 15 Jupiter Bay, Winnepeg, Manitoba R3T 0W5.

Point Pelle Park

Special event station will be operated by members of Windsor, London ARC for the July 1st Canada Day contest with a special Parks Canada Centennial Call Sign that will be announced later.

The RSO Delegates Committee Safety Leaflet

The Radio Society of Ontario Inc. is made up of radio amateur enthusiasts who by means of their radio equipment and radio expertise are often in a position to offer emergency communications and provide that necessary call for help, or report an accident when the circumstance arises. It is to these public spirited radio amateurs that this safety leaflet is directed to offer an outline of suggestions and facts, and thus be a helpful guide.

Remember this question: "May I help you?" Remember that your radio license, and your status as a radio amateur gives you only *limited radio privileges* and does not give any other. Ask first, you may be saved from later grief.

Here are the standard police requirements when reporting an accident. (i) Location, (ii) What's involved ie: details of the accident. (iii) Any injuries. Also be prepared to give your name and amateur radio call sign.

The first rule in safety assistance is, "Get medical attention for the victim as soon as

possible." This is where you as a radio amateur can really be of the greatest assistance. your ability to contact ambulance, police, or fire departments quickly may be your greatest contribution in an emergency. Keep in mind when contacting a base station or a novice the telephone "0" in areas that do not have the '911" hotline. Also keep in mind that other radio which you may have handy ie: CB channel 9.

A word on poison, "Prevention," please. It is better than any following first aid. All poison victims should be seen by a Doctor. Retain the poison container if possible for reference, and follow the instructions for poisoning.

"Medic Alert"...Check for those tags. Also get identification if someone is in severe distress. Relatives may know of a particular course of action or medication.

For choking, remember the old slap on the back and base of the neck. If that does not help, try raising the arms. Various methods of applying pressure on the diaphram may also be helpful. The bear hug method, using quick jerks may be successful, or quick slapping of a fist at the base of the rib cage.

In the case of injuries, keep the person still if possible. Do not try to remove impaled objects. Again remember: "Get medical attention."

In the shack, kill all power circuits completely before touching anything behind the panel or inside the chassis or enclosure. Never allow anyone else to switch the power on and off for you while you're working on equipment. Don't trouble shoot in a transmitter when you're tired or sleepy. Watch out for those capacitors, are they really discharged × Avoid contact with grounded metal or damp floors when working on a transmitter. One hand in the pocket rule, has long been revered by hams. Instruct members of your household how to turn the power off. Resuscitation is often required following an incidence of electric shock. Every "ham" should be aware of some means to do this. The mouth to mouth method is the most popular today. The ARRL has a training aids film showing this method of resuscitation. Contact the American Radio Relay League, Newington, Connecticut, U.S.A. 06111.

It has been said, "The lowly 110-115 volts has caused more electrocutions than any other."

Finally, the most important piece of equipment at the scene of an accident is the human brain...with training it can react...with imagination it can invent...with its compassion it wants to help.

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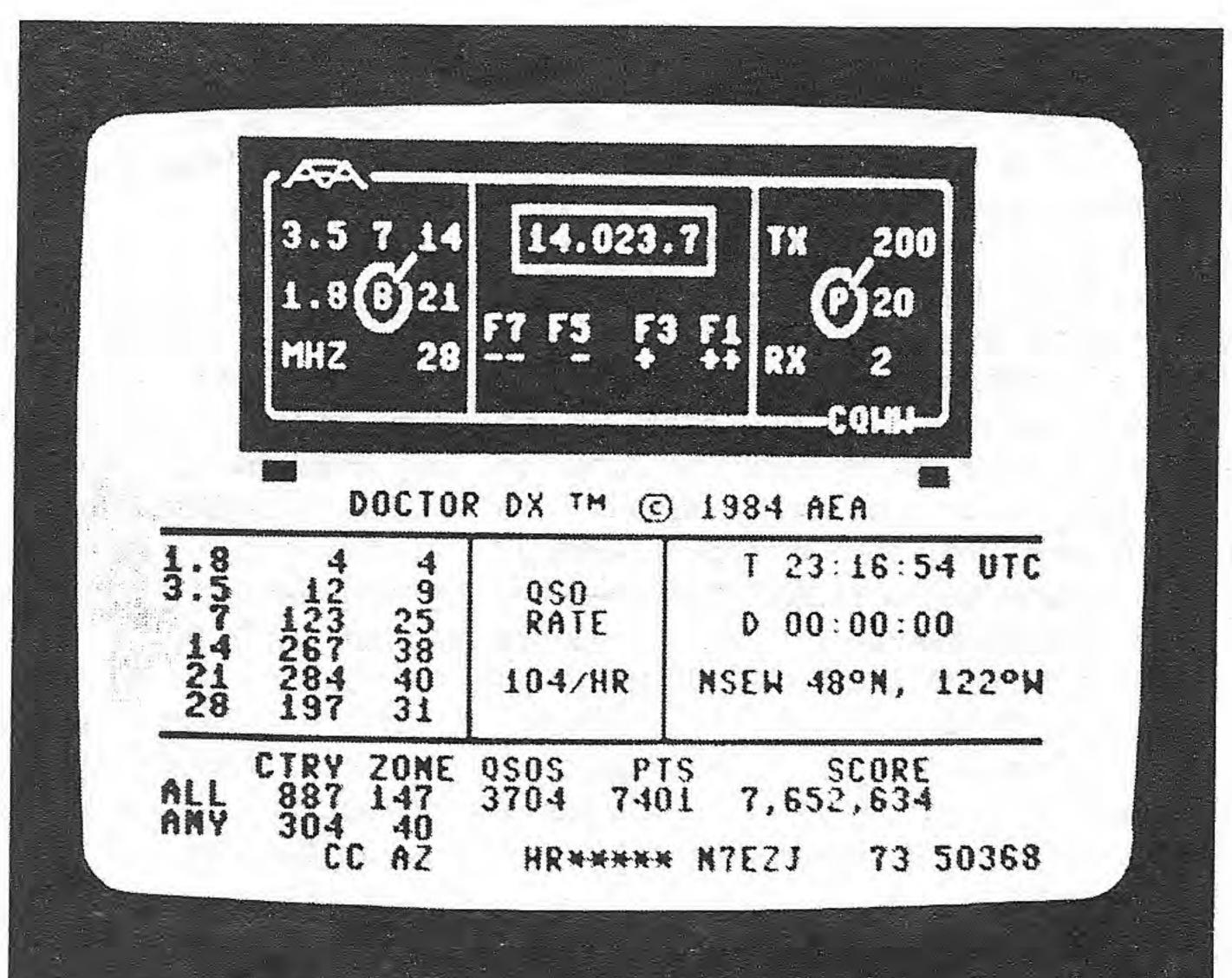
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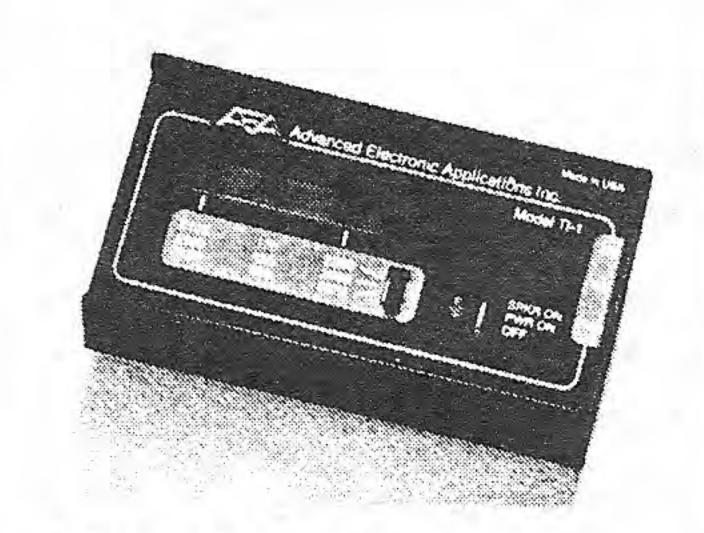


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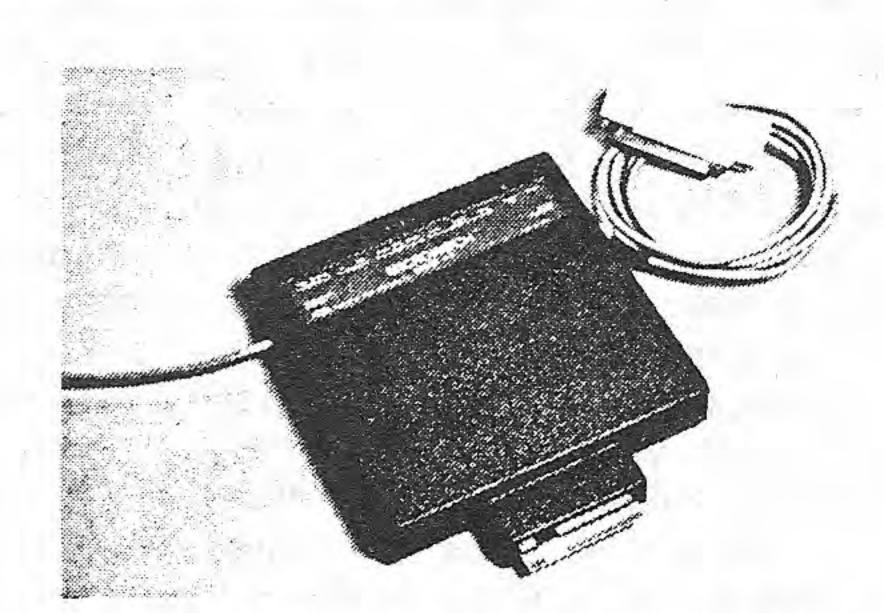
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What a Hobby

I got into ham radio some time ago... Why I did it, I'll never know.

I thought it would relax me and be lots of fun.

If only I had known it was troubles begun!

"I must get my ham ticket," I did shout.

I got bit by the bug hams know all about.

It upset my wife and disrupted my life...

Lots of problems and lots of strife!

Lots of problems and lots of strife!
When giving reports I'll sometimes lie.
I would like the antenna 100 ft. high.
Why do I do it -- no one knows.

I care for my gear more than my clothes. If you want my day to be happy and fine, Next time we QSO - give me a 5/9.

When I am working the rare DX I think of nothing else, not even sex.

Now I know that statement is hard to say,
Of course with DX, well, that's not every day.

Now I want this poem to be pure and clean. You know too much radio makes a wife mean.

"I'll be upstairs, dear, in a little while," I sit there and keep turning the dial.

I say to her, "It's very educational, honey."
"Well," she says, "It should be, spending all that money."

"What has happened to your mind]
When we first met, you were gentle and kind."

"Now, it's 'Excuse me dear, I have a sked'
I've whispered sweet nothings but you
forget what I said."

"I wonder if the medics know about this disease --

If they do, I ask you, doctors, please..."
"Find a cure, the quicker the sooner,
Get his mind off that stupid tuner."

"Please send him back into my arms, Turn off the rig, turn on the charms."

"Now a sign on a shirt I did see...
It said something about hams and frequency"
I don't think that's true...not that they lack.
It's just that they spend too much time in the shack.

Written by Norman Tipler, VE3AEF Binbrook

Silent Keys

Their key is silent but their memory is 599.

VE3FEJ, Hector Marion	Peterborough
VE3FWB, George Beaumont	Burlington
VE3FMB, Art Sylvah	Burlington
VE3GHF, Fred Fowler	Ottawa
VE3MEU, Glen Gibson	Oshawa

Help Wanted

Promotions Manager
Call Al, VE3DQJ (416) 889-0295
or write c/o 21 Ida Street, Thornhill, Ont.
L3T 1X4

Northwestern Ontario Net

By the comments heard on the band, there are quite a few Hams who have never heard of us and are checking in for the first time.

The net meets every night on 3750 KHz at 8:15 E.S.T. (0115Z). We usually try and operate for 30 minutes so that all stations have a chance to check in. The check-ins have increased from an average of 10 to average of 30, so this puts us in with the top nets of which we are quite proud of.

The present Net Manager is Lloyd Montgomery, VE3JJY of Kenora. Other controllers are:

Monday VE3BBS Skip, Thunder Bay
Tuesday VE3JJB Ron, Fort Frances
Wednesday VE3JJY Lloyd, Kenora
RSO Bulletin read

Thursday VE3LMG Art, Thunder Bay
Friday VE3JAB Bob, Sault Ste. Marie
Saturday VE3JHW Ken, Dryden
VE3NNA Peter, Kenora

The net is very informal and we welcome both phone and C.W. On checking around we find that the net was started up by VE3 AYZ Les Harris in Thunder Bay from the E.M.O. building in 1960, so goes back quite a ways.

The check-ins for the month of March will show the progress of the net:

Total check-ins									1					-43				894
Bulletins									٠									9
Formal Traffic .														0				46
Informals									٤.									52
Time operated				1	8	3	h	0	u	rs	3	4	5	n	n	ir	1	ites

For formal traffic or just the weather and general chit-chat, meet us on 3750 7:15 CST: 365 days of the year.

Radio Society of Ontario Technical Library

The RSO Technical Library is once again in operation with a new librarian, Jim VE3 DCX. At present, the library contains a large collection of manuals and schematics for commercial VHF equipment including GE, Motorola, RCA, Marconi, Systcom, Pye and others. There is also a large collection of teleprinter manuals. In addition, now available through the library is a large number of technical books, manuals, data and application books and industrial catalogues covering tubes, transistors, integrated circuits, and other components. Enquiries for information are welcome and encouraged either by mail, or via the ONTARS net.

In order to provide as complete a service aspossible, the library is soliciting donations of old or unused technical books, manuals, data books and manuals for commercial and amateur gear and test equipment. In addition the library solicits information on modifications or improvements made to amateur gear.

For enquiries, please send an SASE to:

JIM EADIE, VE3DCX, RSO Technical Library

RR2 Tweed, Ont. K0K 3J0

or contact him almost any day via the ONTARS net. It is hoped that by the next issue of TOA a catalogue of available literature will be available.

VE3SR

The Jack Ravenscroft Susceptibility Defence Fund

A Civil suit to be heard in County Court Ontario May 3, 1985 will attempt to cite Jack Ravenscroft, VE3SR, formerly VE3NV with a permanent injunction barring operation of his Amateur transmitter.

The suite alleges that the operation of VE3SR's transmitter in a particular manner causes stress to affected appliances and presents a potential fire hazard, because of sporadic microwave oven operation at the plaintiff's.

It has been established that VE3SR is operating within the terms and conditions of his license and that oven operation has never been substantiated.

It should genuinely concern every transmitter owner that should this civil action succeed, legal precedence will be established to permit civil injunctions against any Federally licensed transmitter owner.

Details of this case are available in the report of the Ottawa Amateur Radio Club, EMI Committee entitled, "Appliance Susceptibility and the Radio Amateur."*

Contributions of monetary support are requested and should be made payable to:

J.R.S.D. Fund Box 8873, Ottawa, Ontario K1G 3J2 Ralph Cameron, VE3BBM Chairman, J.R.S.D. Fund

*Report available from VE3FOI for S.A.S.E. .64 cents 12 Frederick Street, St. Catharines, Ont. L2S 2S2

National Parks Centennial Prefixes

Parks Canada is commemorating the centennial of the National Parks system this year and the Department of Communications has made available special call sign prefixes for Canadian amateur radio operators taking part in the events as follows:

Newfoundland			٠	٠	10		(*)							•			. X01
Labrador									a.								.X02
Maritimes											æ		÷	Ą.			.XJ1
Quebec	•											•					.XJ2
Ontario		•															.XJ3
Manitoba				٠									٠				.XJ4
Saskatchewan		2			ě.		÷		Ļ								.XJ5
Alberta	5														•		.XJ6
B.C					×	٠		•									XJ7
N.W.T	٠		4		è				٠	2	٠		•				.XJ8
Yukon						•						•		*			.XK1
														-			

The above prefixes may be used from June 29 to August 29, 1985.

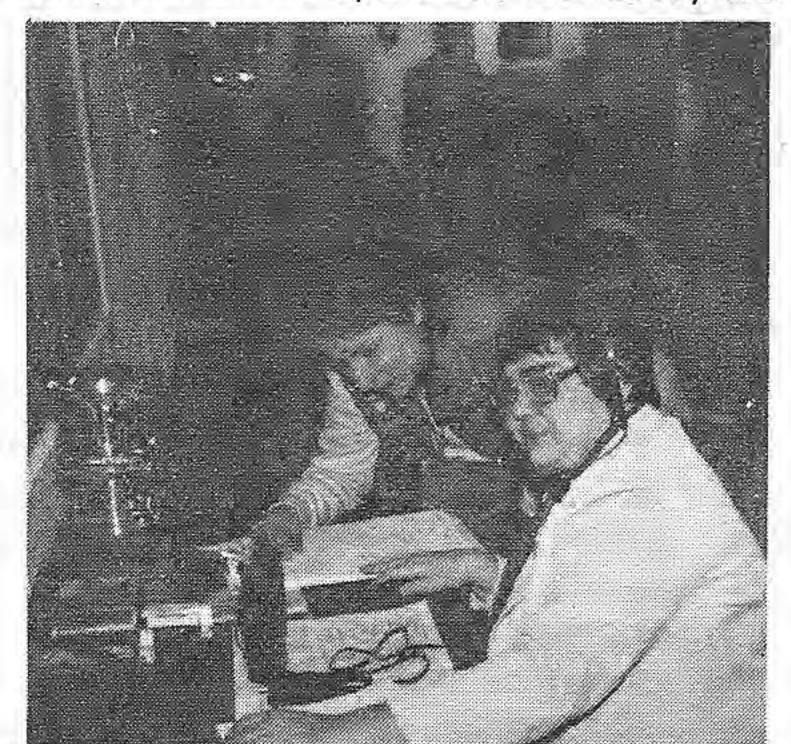
This is an excerpt of a letter dated 1.2.85 from W.A. Winsor, Chief, Licensing Section, Frequency Management and Licensing Division, Operations Branch, Department of Communications to the Canadian Amateur Radio Federation President Ms. Joan Powell.

Use these for the CRRL Parks Canada Award and the CARF Canada Day Cntest on July 1st and Maple Leaf Award.

1985 Ontario Winter CZ3OWG Games

How does one relay scoring results from 16 different events at 14 different locations around the City of St. Catharines] Well, why not call upon the Niagara Peninsula ARC who have done this kind of work for the past few years.

And that's how it all began back in September, 1984. From that moment on, the Committee, comprised of Dave VE3FOI, Peter VE3DSW, Bob VE3HNH, Fred VE3DVI, Arnie VE3LWW, and Eric VE3ISC got the ball rolling. It was agreed upon that our main function was to provide scoring results communications back to the headquarters station located in the Holiday Inn. This might be done through the use of two repeaters VE3NRS and VE3RAF and some simplex frequencies. It was also agreed to have a special event station operate before and after the games. After a misunderstanding, the special prefix of CZ3 was to be allowed to be used by any Ontario Amateur for the month of March. The special callsign of CZ3OWG was to be used on as many frequencies as possible and as many modes as possible. QSL cards would be provided for this as well as any Ontario amateur that was to use the special prefix. Sixty amateurs gave of their time for three days during the event to give the necessary communications. The BURLINGTON ARC supplied the NPARC with some portable antennas, and the WELLAND COUNTY ARC sent operators to help out. Most of the operation went very well,



Sally Mitchell, VE3NDF, aka "Rubber Duckie" along with Cathy Aitken, Co-ordinator of Ringette. Official confirming results of the Ringette competition held at Ridley College.

although the use of Phonetic Alphabet should be memorized by the operators. Amateur radio received a great deal of publicity via the local media thanks to Doug Hobbs, sports caster for CKTB and CJQR-FM. About 3500 contacts were made on cw, SSB and RTTY and QSL cards are being processed at this time via the bureau or direct. We had only one interesting happening...Tommy VE3LJR got himself stranded on the roof of Denis Morris High School while he was adjusting his antenna. Someone locked the door and left the school. Poor Tommy didn't have his hand held with him, but was soon rescued when OWG committee person Don Branch arrived on the scene. It all was hard work, but it all worked out for the best for HAM RADIO. The GAMES will be held again in four years somewhere in Ontario. The callsign VE30WG will be available if YOU wish to get in touch with Dave, VE3FOI who is the trustee.



This is the mobile TeleSat Earth Station (Outside and Inside) with VE3MTG, Larry Wedow at controls. Video transmissions of some of OWG



results were transmitted from the mobile station. In the "off" time, I think Larry tried for OSCAR DXCC. (hi.)



IN THUNDER BAY AND SUDBURY...

These community amateurs were also out in force to help with OWG functions in Thunder Bay under the watchful eye of Skip, VE3BBS and in Sudbury with Reno VE3AC looking over the start of the torch run to St. Catharines.

In closing, AMATEUR RADIO proved once more that it can and will provide excellent communications. THE PUBLIC MUST BE AWARE OF US.

A Magnificent Effort

The Ontario Winter Games have come and gone, the scores have been tallied and the participants — some 2,000 of them — have now dispersed. But one shouldn't let the event go by without a word of praise for the people who took the risk of falling flat on their faces but went ahead undaunted to organize the greatest sports event in St. Catharines' history. They not only succeeded, but — all things considered — did exceedingly well.

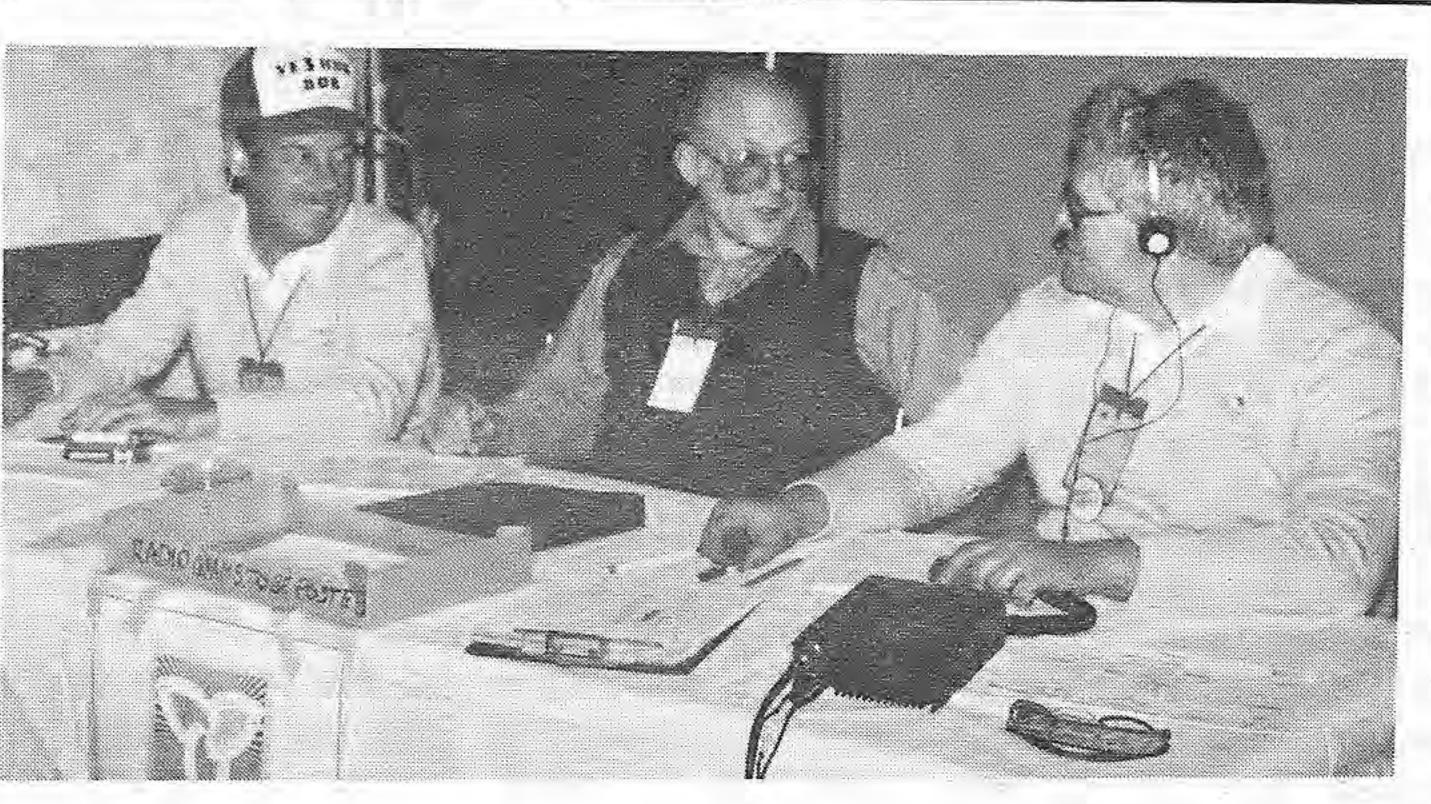
The detailed running of the various events was amply reported in *The St. Catharines Standard*'s sports pages. Yet, while we wouldn't want to take anything away from the prowess of the teams and individual participants, much of the credit for the running of "the show" goes to the many hundreds of organizers and volunteers without whom the 1985 Winter Games would have been quite impossible.

From St. Catharines Standard March 19, 1985

IN conjunction with St. Catharines, Ontario, the Ontario Winter Games were held March 14 thru March 17 in Thunder Bay at Big Thunder Bay Ski Jump. The following amateurs of the Lakehead Amateur Radio Club participated in providing 2 meter FM communications for the cross country ski events held March 16-17. VE3BBS (EC Thunder Bay and District), VE3JAJ, VE3 JAQ, VE3KRO, VE3LMN, VE3NHN,

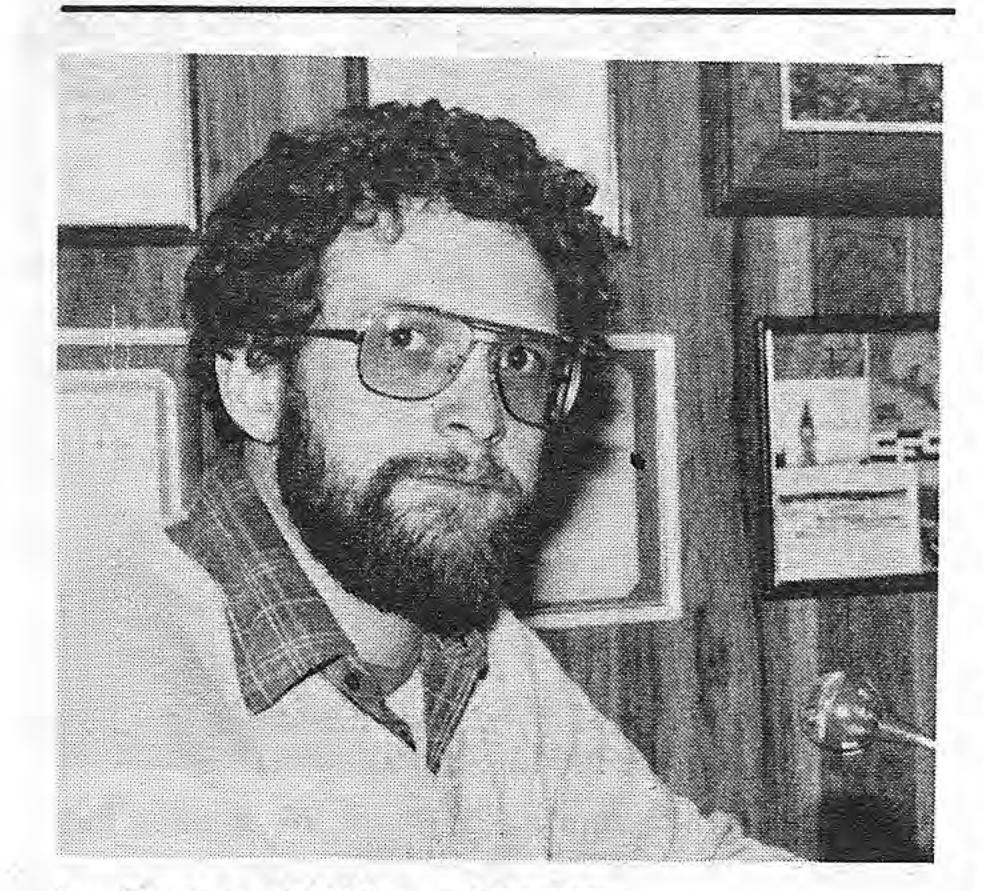
VE3NHP. Simplex frequencies of 146.940 and 146.520 MHz were used as well as repeaters VE3YQT and VE3TBR to relay messages back to the start/finish line from 6 checkpoint positions over the gruelling cross country ski course at Big Thunder.

This coverage provided instantanious information as each individual skier passed the checkpoints keeping the spectators at the finish line posed of race progress.



Here is where the action was. CZ3OWG Control Station at the Holiday Inn. Pictured here, (left to right) Bob, VE3HNH, Doug Hobbs, CKTB Sports caster (his father is VE3WH Walter of Toronto) and me, Dave, VE3FOI.

VHF-UHF and up and up and up



by Richard Miller, VE3CIE

VHF/UHF Pioneer Grote Reber W9GFZ

"My interest in radio astronomy began after reading the original articles by Karl Jansky (1932, 1933). For some years previous, I had been an ardent radio amateur and considerable of a DX addict, holding the call sign W9GFZ. After contacting over sixty countries and making WAC there did not appear to be any more worlds to conquer."

Grote Reber, W9GFZ in The Early Years of Radio Astronomy

The recent article in February 1985 TOA on the Arcibo Observatory Radio Telescope brought to mind what has always seemed to me to be one of the most fascinating yet little known stories of an amateur radio operator contributing to the science of radio and astronomy. For a decade, Grote Reber, who held the call sign W9GFZ, was the world's only radio astronomer and were it not for his pioneering efforts the science of radio astronomy would have lapsed into oblivion during the years of the mid 1930's to the mid 40's. Before beginning Grote Reber's story, it is necessary to review briefly the work of Karl Guthe Jansky (1905-1950) who is considered to be the father of radio astronomy.

Karl Guthe Jansky was a young physicist working for Bell Telephone Laboratories at Homdel, New Jersey. His assignment was to study the directions of arrival of atmospheric static at a wavelength of 15m which was being used for ship to shore and trans Atlantic radio communication. At a radio field station (1928-1930), Jansky constructed a large array antenna, known as a Bruce array. The array was 30m long and 4m high with a beam width of 30°. The entire array was mounted on four Model T Ford front wheels and was automatically rotated through one complete revolution every 20 minutes by a 1/4 HP motor through a speed reducer and 3m sprocket wheel and chain. This antenna was connected to a superheterodyne receiver and the output to a chart recorder. It was with this apparatus that Jansky first detected what he called "hiss static." A study of his directional data for the "hiss static" indicated that the source of the static was of extra-terrestrial origin and was coming from a location fixed in space near the center of our Milky Way Galaxy in the constellation of Sagittarius. On May 5, 1933, the New York Times carried a front page full column report headed "New Radio Waves Traced to Center of Milky Way."

Although Jansky published several papers on his discovery in both engineering and astronomical journals, it did not excite either the radio engineers or astronomers of his time. The radio engineers were concerned with improving techniques to provide better radio communication, not outer space, and the astronomers had no comprehension of the world of vacuum tubes, amplifiers and antennas. Jansky did receive an inquiry about 1935 from a radio engineer and amateur radio enthusiast by the name of Grote Reber. Reber later commented on the possible short-sightedness of astronomers, "I wouldn't say they were shortsighted... they didn't build radio sets - they weren't even radio amateurs. If they needed a radio, they went to the store and bought one."

Grote Reber thought that Jansky has made a fundamental and important discovery. He considered the two fundamental problems of "cosmic static" to be: how does the cosmic static, at a given frequency, change with position in the sky and how does the cosmic static, at a given location in the sky, change its intensity with frequency. These were the problems that he set out to investigate.

Debet decided that the and

Reber decided that the only feasible antenna would be a parabolic reflector and conceived the idea of using a single dipole inside a wave guide at the focus of his dish antenna (remember, this is 1936). He designed a 10m diameter dish which was to have a meridian transit mount movable only in elevation. (a meridian transit mount allows the antenna to scan the sky at a fixed elevation as the earth rotates about its axis and the stars move across the sky). Reber was quoted a price of \$7,000. which was too expensive so he decided to build the antenna himself. The cost came to \$1,300., a princely sum in 1937 dollars. The frame of the dish was made of 2x4's and the surface was covered with 26 gauge galvanized iron in 45 pieces which were supported on 72 wooden rafters cut in a parabolic curve. Brass screws spaced at 30cm intervals joined the overlapping plates. The surface of the dish was constructed accurately to within 3mm. The entire project was completed with the part-time assistance of two men in a period of four months. The weight of the antenna was about two tons. When parked in a vertical position, great volumes of water poured through a central hole during rainstorms leading Reber's Wheaton, Illinois neighbours to conclude that the machine was for collecting water and controlling the weather. Today, Reber's antenna is on display at the National Radio Astronomy Observatory, Greenbank, West Virginia.

Since commercial gear at the VHF/UHF frequencies was scarce or non-existent, all of Reber's equipment was home-brew. He began his investigations at a wavelength of 9cm using a crystal detector and an RCA type 103A end plate magnatron. The rest of the receiver consisted of a four stage audio amplifier using 6F5 triodes. Investigations were carried out during the spring and summer of 1938 at 3300 MHz but with no cosmic static being detected. Reber then designed another receiver which operated at a wavelength of 33cm but observations during the fall and winter of 1938 yielded no better results.

In 1939, he started again at a wavelength of 1.87m with a superheterodyne receiver with as wide a band width as possible. Reber successfully detected radio emissions from the Milky Way with this apparatus. Because of trouble with

automobile ignition noise during the day, he made his measurements at night between midnight and 6AM, then drove 50km to Chicago to his job designing radio receivers. His observations were originally taken by noting the deflections of an ammeter at one minute intervals. The beam width of his dish at 1.87m was 12°. In 1940 Reber added a stripchart recorder to his equipment which enabled him to gather his data automatically. In 1941 with this apparatus, he succeeded in mapping the radio emissions from the northern sky. A contour map of 160MHz intensities of cosmic static was published by Reber in the Astrophysical Journal of 1944.

Further receiver design improvements led to a 5 stage receiver having a gain of 90 db over a frequency band of 156 to 164 MHz compared to 0.16 MHz of the earlier design. This equipment allowed Reber to detect radio emissions from the quiet sun. With new equipment operating at 62.5cm he succeeded in detecting intense transient solar radio waves apparently emanating from small independent sources (ie solar flares) on the sun's surface in 1946 and 1947.

During the period from Karl Jansky's initial discovery of "star static" until advances in radar and electronic research, which occurred during World War II, led to the rise of radio astronomy with such instruments as the Jodrell Bank 250 foot radio telescope of Sir Bernard Lovell and other giant telescopes in Australia, United States, Europe and Canada (Algonquin Radio Observatory, Penticton, B.C.), Grote Reber, W9GFZ, a radio amateur with an observatory in his back yard was the only radio astronomer in the world. He was one of the pioneers of amateur radio.

References:

The Early Years of Radio Astronomy, W.T. Sullivan III, Ed., Cambridge University Press, 1984

The Evolution of Radio Astronomy, J.S. Hey, Neale Watson Academic Publications, 1975

QUA, QUA, QUA

I was privileged to be asked to speak at the 1985 Dayton Hamvention Third Annual VHF/UHF Conference. The moderator, Jim Stitt, W80NQ put together a fine program on the following VHF/UHF topics:

Tropospheric Propagation - Richard Miller, VE3CIE

Multi-op Contesting Techniques - Richard Frey, WA2AAU/W2SZ

Dynamic Range Performance of VHF Equipment - Joe Reisert, W1JR

Antenna Design and Construction - Bob Morton, VE3BFM

Putting UHF Dish Antennas to Work - Al Ward, WB5LUA

This was my first visit to Dayton which I thoroughly enjoyed. All amateurs should make a point of visiting this convention.

All VHF/UHFer's should try to attend the meeting of the Southern Ontario VHF/UHF Group which is held the Saturday night following the June VHF Contest. This meeting is usually held in the Ramada Inn in north Toronto. Date and time for this year have not been announced at this time. If you wish to attend, please contact me as I should have details by publication time.

One last note on radio astronomy, Professor W.T. Sullivan, of the University of Washington is interested in hearing of any amateurs who

Continued on page 11

VHF-UHF

Continued from page 10

may have detected "hiss" during the solar maximum of the late 1920's and prior to World War II. Many radio amateurs played an important part in the discovery of the radio effects of the sun during the Thirties. Professor Sullivan is writing a book on the early development of radio astronomy. If any of you old timers have any recollections of this please let me know and I will forward the information to Professor Sullivan.

Please send your ideas and comments to: Richard Miller, VE3CIE Oldstore House, Cedar Valley RR1 Hillsburght, Ont. N0B 1Z0

Ontario Bi-Centennial Awards - VE3XN

Garry Hammond

182 Awards have now been processed.



Award-Winner #52

F.W.G. Hendriksen PA2 FHZ P.O. Box 1133, 8001 BC ZWOLLE HOLLAND

The equipment on the photo is on the lowest level - the complete TS820S line by Kenwood. Above the TS820 you'll find the TS700G 2 metre equipment and on the right side the TS120V transceiver (QRP only 10W output)

The antennas I use are FB33 triband yagi by Sritsel for 10-15-20 metres on a 60 ft. tower. For 40 and 80 metres I use a W32000 as an inverted V.

I am licensed since 1977. My age is 52 years, married and 3 sons of 27, 22 and 17 years. My occupation is director (owner) of 5 stores of ladies' and men's clothing.

My favourite bands are 20-15-10 metres only SSB.

My awards are DXCC, confirmed now 165 count, WAC, WAE and the Bicentennial Award. For WAS, I need only a card of the state of Idaho and for the WAZ only a card of zone 19.

My QTH is situated 5KM south of the city Zwolle and is a small town called Hattem (11,000 inhabitants). I am living in the forest and the neighbours are so far away, that I don't have troubles with TVI-BCI.

We had a QSO on 12-2-1984 on 14.175 MHz. Sorry for my bad english, but I hope you can understand it. So Garry, I hope to meet you again on the band and if I hear you, I will call you. I am very often on 14.100 at 11.00Z to talk with VE3JPP and VE3FGL.

Best 73's.

Frank, PA2 FHZ



Award Winner #167

VINCENZO DI MAGGIO, IT9 WEY Via Augusto Platen, 23 90145 PALERMO, ITALY

Thank you very much for sending me the Bicentennial Ontario Award. It's a very nice recognition for me and I am very grateful.

Up to now, I did 244 connections with Canadian Stations and I hope to make more.

In my photo, you can see my radio equipment and model. My antenna (dipole V inverted) is up the roof of the building. I am 60 years old, retired and have been licensed since 1978. My favourite bands are 14 and 21 MHz, mode is CW.

I received some awards: WAC, WASP, IN-ORC, IARU 84, LOS QUIJOTES INTERNA-TIONALS and Bicentennial Ontario but, I hope soon to acquire the DXCC, WAS, WAIP, etc.

Thank you again. My best 73

Vincenzo Di Maggio, IT9WEY



New Members

VE3AGE, Allan Ford VE3ETQ, Jim Pincott VE3NYB, Kenneth E. Rowland

St. Catharines
Kitchener

nd St. Catharines
won door prize at
St. Catharines Flea Market

Virgil

Dunnville

Saskatton

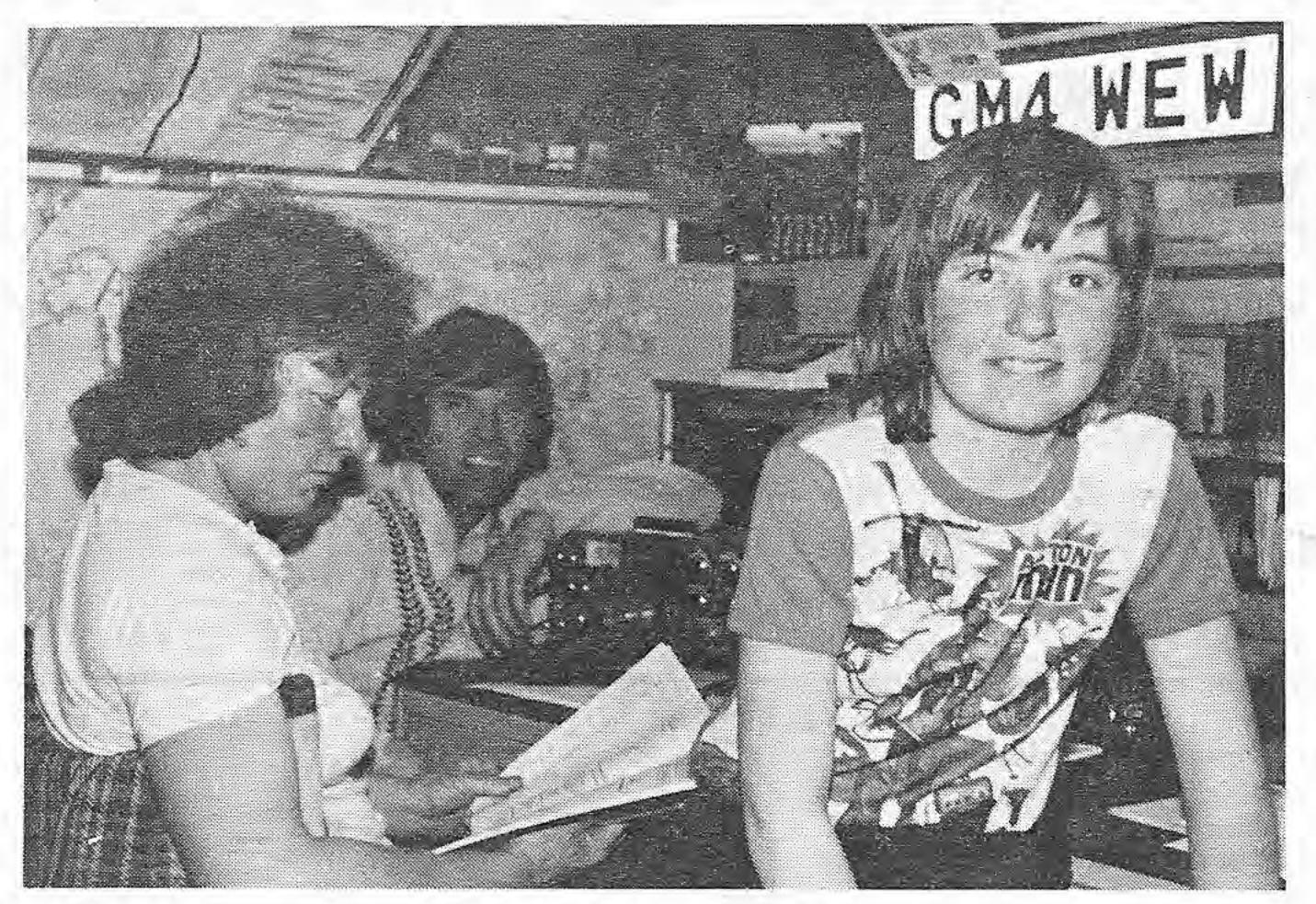
Southington

VE30IQ, Jim Dick VE30IQ, Wilson A. Brooks KB1QQ, Bob Conner VE5RC, Bruce Rattray VE3DBB, Jules Pelland VE3DCX, James R. Eadie VE3NO, Bruce Woodall VE3ECY, Don J. Henderson VE3FHU, Les Johnston VE3KZH, Malcolm C. Hamon VE3KLS, C. Wm. Gould VE30VE, Joy Roberts VE3NQT, Dr. John A. Ross VE3OYC, John Crowther VE3071, (SWL) Tom Rogers VE4ZS/3, Sid Lipkowitz

New Full Life Member VE3HCA, E. Waddington Chatham
Tweed
Bolton
Cobourg
Monkland
Newcastle
Scarborough
Waterloo
Kitchener
Newmarket
Milliken

Oxford Mills

Downsview



CHRISTINE BROWN, GM4 WEW

KEITH BROWN, GM4 WEX

SHELAGH BROWN, Junior Op., Age 11

Equipment shown: Trio TS83OS, Yaesu 290R and 30W microwave Module for 144MHz.

Antennas: W3DZZ Trap Dipole at 20ft., G4MH Mini Tri-Bander at 25ft.

Keith Brown, Licensed for 11 months, age 38, occupation: Mailman. Favourite Mode of operation: Phone active on 3.5, 7, 14, 21 MHz and favourite band 21 MHz.

Awards: WAC, Brazilian YL Award, Leonardo Da Vinci Award, DXCC Confirmed 39. I've operated Jota Station for Scouts and Guides as GB4WGS 20/21 Oct. 1984. Took part in Club participation in Low Power Contest in June, 1984.

Other DX'ers in our small village: My XYL Christine GM4WEW, John McIlwraith, GM4ZTO (new licensee).

My XYL has 60 confirmed for DXCC and has WAC, BRYLA, Brazilian YL and Leonardo Da Vinci Awards. We are both members of Wigtownshire Amateur Radio Club and YL ISSB System. Other hobbies: Sport, Stamp Collecting. Our village has 6 radio hams plus 1 pending in a population of 500.

My XYL thinks she worked you in the CQWW Contest on Oct. 28th under your XN3XN callsign. She finished with 15,000 points I think. 73.



Ultra Compact Superior

The new ICOM IC-735 is what you've been asking for...the most compact and advanced full-featured HF transceiver with general coverage receiver on the market. Measuring only 3.7 inches high by 9.5 inches wide by 9 inches deep, the IC-735 is well suited for mobile, marine or base station operation.

More Standard Features

Dollar-for-dollar the IC-735 includes more standard features...FM built-in, an HM-12 scanning mic, FM, CW, LSB, USB, AM transmit and receive, 12 tunable memories and lithium memory backup, program scan, memory scan, switchable AGC, automatic SSB selection by band, RF speech processor, 12V operation, continuously adjustable output power up to 100 watts, 100% duty cycle and a IC-735 is also compatible with most of deep tunable notch.

Performance

It's a high performer on all the ham bands, and as a general coverage receiver, the IC-735 is exceptional. The IC-735 has a built-in receiver attenuator, preamp and noise blanker to enhance receiver performance. PLUS it has a 105dB dynamic range and a new lownoise phase locked loop for extremely quiet rock-solid reception.



Options. A new line of accessories is available, including the AT-150 electronic, automatic antenna tuner and the switching PS-55 power supply. The ICOM's existing line of HF accessories.

EARLIER ADS INDICATED THE CW FILTER AND KEYER AS STANDARD. IN ORDER TO KEEP THE BASE PRICE LOWER THESE ARE NOW OPTIONAL.

The large LCD readout and con-

veniently located controls enable easy

WE'VE GOT 100 OF THE NEW IC-735's ON ORDER. THAT'S MORE THAN THE DISTRUBUTORS ORDER. BECAUSE OF THE LARGE ORDER WE CAN OFFER YOU UNHEARD OF PRICES ORDER YOUR NEW IC-735 NOW. CALL OR WRITE FOR OUR SUPER SPECIAL (TOO GROUP PRICES ON PURCHASES OF 3 OR MORE. IC-735 LIST PRICE \$1149.00

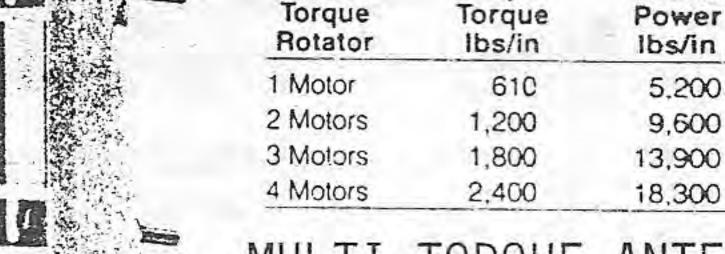
DAIWA

Check These Features:

- 1. The rotator frame can house up to 4 motors to increase the torque and load capacity of your antenna system.
- 2. Each motor is equipped with a Super Wedge and Clutch brake system which works independently from the main frame gear
- 3. Maximum brake power is 18,300 lbs/in when 4 motors are installed. The main frame and reduction gear train have been designed to withstand maximum wind loading.
- 4. The motor unit can be dismantled easily for maintenance if required.
- 5. A 11/2" to 21/2" diameter can be installed and aligned easily with the rotator center.
- 6. Low voltage (24VAC) motors are used to ensure safety during installation work on the antenna tower.
- 7. Low cost 6-wire control cable can be used for the low voltage
- motors. 8. The control panel can be removed easily for calibrating the
- direction indicator.
- 9. Balanced type control knobs have quick lock mechanisms on both sides.
- 10. The advanced Super Wedge and Clutch brake system (Slip clutch type) provides exceptional holding power and protects the rotator mechanism from excessive torque.

MR-750E/MR-750PE

Output



Multi

MR-750E and MR-750PE Standard Rotators 5.200 9,600 13,900 18,300

Brake

MULTI-TORQUE ANTENNA ROTOR FROM DAIWA

MR-750U Motor

For use with

MR 750E Rotator Standard Model (58 sec/rotation) MR 750PE Rotator For use with Pre-Set Controller (58 sec/rotation)

CR-4 Manual Controller for use with MR-750E

CR-4P Controller with Pre-Set function for use with MR-750PE Rotators

MR-750E with ONE motor \$399 MR-750PE wth ONE motor \$439 MR-750U Extra motor----\$129

ATLANTIC HAM RADIO LTD YAESU JAPAN's remainir FT-208R's. This extre Handy was our best sel years. Now available PRICE of \$279.00 Ins \$

LIMITED SUPPL'



2M Hand output. LCD dis 16 butt Keyboar Band and

FT-208R Accessories sti NC-8 Deluxe Desk Charge NC-7 Standard Desk Char PA-3 DC-DC Adapter----FNB-2 Nicad Battery----YM-24A Speaker Micropho FBA-2 Sleeve (Charges F Service Manual----

LAST CALL ON SOME OF THESE

XF8.2HSN SSB Filter FT-XF8.2HC 600Hz CW Filter XF8.2HCN 300Hz CW Filte AM/FM Board for FT-102-XF8.2GA AM Filter FT-10 SERVICE MANUAL FT-102--FC-102 1.2kW PEP Antenn FAS1-4R Remote Switch 0

The following XF8.9 fil FT-901/2 FT101ZD FT-707

XF8.9HC 600Hz CW Filter-XF8.9HCN 300Hz CW Filter XF8.9GA AM Filter----

FT-901/2 FM Board----FA-9 Fan for FT-901/2 FT

XF8.9KC 600Hz CW Filter XF8.9KCN 300Hz CW Filter XF8.9KA AM Filter FT-ONE XF10.7KC 2nd IF CW Filte Keyer Board FT-901/2 980

OD ICOM SPECIALS

has purchased stock of 2M ely popular 2M er for over 2 t a CLOSEOUT H add \$8.00.

with 2½ Watts 143.5-148.5MHz lay 10 memory TT®Pad freq. entry memory scan

available: /Adapter--\$99 B-2/NC-7/8\$10 ACCESSORIES: FT-102---\$45

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IC-45A\$399

ATLANTIC HAM RADIO LTD. does it again !! We have purchased the remaining stock of IC-45A's and offer you this bargain....

IC-45A \$399.00 Ins S&H \$10

This once popular 440MHz FM rig is now available at this special CLEAROUT price The IC-45A covers 440-450MHz has 10Watts output and comes with a TT® mike. It also has 2 VFO's and 5 memories. IC-45A scans the memories or the band.

LIMITED SUPPLY !!

QUALITY -- VALUE -- PERFORMANCE

KDK presents TWO NEW MODELS to join the popular FM-2033. KDK has one model for each of the amateur bands from 2M to 440MHz. The popular FM-2033 is for 2M, the FM-4033 is the NEW radio just about everybody has been waiting for on 220MHz, and the NEW FM-7033 is the NEW 440MHz model. All these fine radios are models of simplicity of operation. One-hand single-knob tuning and memory recall provide the most convenient method of operating FM mobile All models have automatic recall of the repeater offset from memory, small size for easy mounting (but big enough) to be comfortable to use). The KDK-2033 and KDK-4033 are both 25W and the KDK-7033 is 10+W output. The NEW KDK's are the most value packed line of FM mobile available. ALL MODELS COME WITH UP/DN SCAN TOUCHTONE® MIKE

FM-2033 \$339; FM-4033 \$349; FM-7033 \$369





NEW IN MAY !!

DAIWA LA-2035 2M Amplifier for Handies will be available in a LA-2035/5W Model to take the input from IC-02AT & FT-209RH 5 Watt rigs. So order now !!

LA-2035 up to 3½ watts \$109.95 LA-2035/5W-----\$129.95 Output for both is 30-35 watts

CONSIDER THE NEW DAIWA ROTOR FOR YOUR NEXT ROTOR PURCHASE ON MULTI-MOTOR SYSTEMS THE TORQUE IS SHARED BY ALL THE MOTORS INSTEAD OF BEING AT ONE SPOT ON THE RING GEAR ! COMPARE TORQUE & BRAKE WITH HAM IV AND TAILTWISTER

CHECK THE FEATURES IN THE AD IN THE BOTTOM LEFT CORNER ...

With an interface and RS-232 port on your computer you can let the computer track the satellites Interface availability TBA....

MODEL

KR-5400A

\$499.00

Dealer Inquiries invited.

Also available from: DOLLARD'S RADIO WEST-Vancouver

SPECIFICATIONS Model: KR-5400A § AZIMUTH (KR-400) Rotation

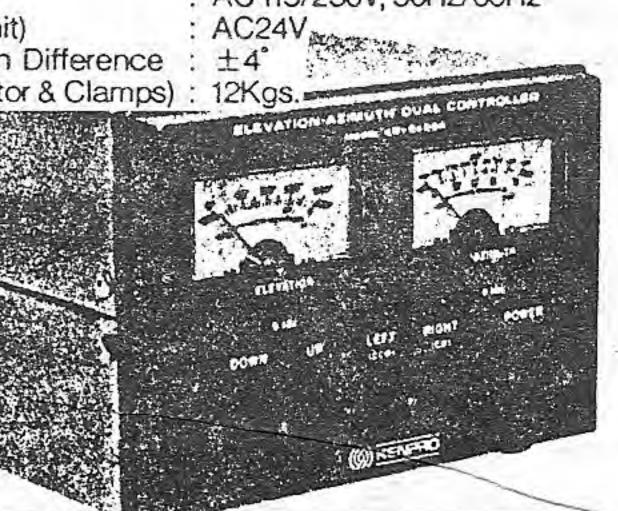
Vertical Load End-of-Rotation Stopper: Mechanical Rotation Time § ELEVATION (KR-500) Rotation Torque

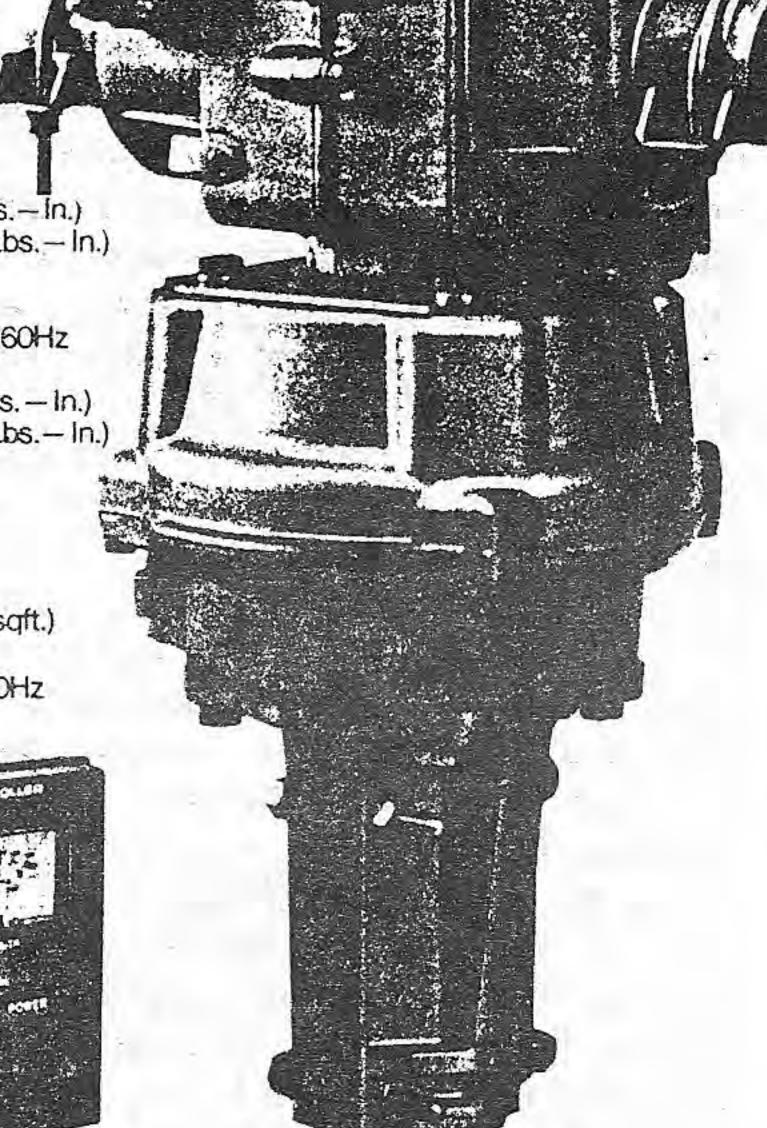
End-of-Rotation Stopper: Mechanical Rotation Permissible Mast Size Permissible Boom Size Continuous Operation Time: Max. 5Minutes Antenna Wind Load Area Control Cable

Input Voltage Motor (Rotor Unit) Meter Indication Difference Weight (Incl. Rotor & Clamps): 12Kgs.

: 600Kg. - Cm. (520Lbs. - In.) Stationary Brake Torque: 2000Kg.-Cm. (1730Lbs.-In.) : 200Kg. (440Lbs.) : 60sec./50Hz, 50sec./60Hz : 1000Kg.-Cm. (866Lbs.-In.) Stationary Brake Torque: 2000Kg.-Cm. (1730Lbs.-In.)

: 0° to 180° (+5°/-0°) $: \phi 38 - \phi 63$ $\phi 32 - \phi 43$: Less than 0.8M2 (8.5sqft.) : 6 Conductor : AC 115/230V, 50Hz/60Hz





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CG3SAS 75th Anniversary of Canadian Girl Guides

Girl Guides of Canada/Guides du Canada are very special to St. Catharines and the city of St. Catharines is very special to Guiding. For it was here in 1909 that Mrs. Mary Malcolmson held the first Girl Guide meeting in her home.

Mrs. Malcolmson was visiting England when she discovered Scouting and the very active part girls were taking in the program under the guidance of Lord Baden Powel. When she returned home to St. Catharines, she held the first meeting in November, 1909. The fever took hold and word spread of this challenging new adventure for girls. The first St. Catharines Girl Guide Company became the first officially registered Canadian Girl Guide Company on January 10, 1910.

CG3SAS made about 300 contacts during the assigned period of time, and a very unique QSL card is being designed by the Local Divisions of Girl Guides of St. Catharines. These will be sent out as soon as we can via the bureaus. The following operators, Fred VE3DVI, Dave VE3FOI, Bob VE3KYA, Donna VE3OIT and Eric VE3ISD gave contact on CW 'SSB' and RTTY for the special Anniversary. Many contacts were made with other Girl Guide Stations in other provinces as well as England and the Caribbean. Fred VE3DVI opened his shack to the first Thorold Guides and Pathfinders. When questioned about the amount of money that was spent on his equipment, the cute Girl Guide replied "and my Dad thinks Cabbage Patch dolls are a waste of money." Well, Fred, we haven't heard you lately on the air...

Dave, VE3FOI, also had some Guides from the Salvation Army visit his shack and made various QSO's with other stations to have an exchange of badges. With the interest shown here and also throughout Canada, maybe every February the Girl Guides can have a Jamboree on the Air ... it's only fair right SCOUTS]

Cathy, VE3GJH of Richmond Hill also made many interesting contacts with her station and gave an interesting visit for all the guides that came into her shack. I have the understanding that Cathy was involved in an auto accident recently. I do hope you'll be feeling better soon.

73. Dave, VE3FOI



"Dad won't believe me." WOW. And they think Cabbage Patch dolls are great.

GIRL GUIDES OF CANADA

From the Niagara Falls Review Wednesday, March 6, 1985

Some of the girls in Niagara had a special treat to bring Thinking Week to a close.

On Friday and Saturday amateur radio operators all over the world invited Brownies, Guides, Pathfinders and leaders to their "shacks" to send each other special greetings for the 75th Celebration year.

Dave Digweed of St. Catharines, operator VE3FOI, extended an invitation to Brownie Janelle Teakie, 7th Niagara Falls SA Pack, and Guides Deanna Cole, 2nd Niagara Falls Company, Fiona and Nicole Kinghorn, 11th Niagara Falls Company to participate in the event.

Many girls from St. Catharines, Thorold, Richmond Hill and Toronto also sent birthday messages. The girls enjoyed the special message from Gillwell Park, England, and discussing celebration plans with groups in Grovertown and Gander, Nfld. The girls learned that Gander has a population of about 12,000 and Grovertown 2,500, but Guiding is alive and well in both areas.

The highlight of the day was hearing the National Commissioner, Mrs. Rita Currah's message going out from Toronto to countries around the world.

She said "Congratulations on 75 years of fun and adventure in Guiding. I wonder if Lord Baden Powell ever envisioned that 75 years later his philosophy would be shared by 8.5 million girls and women around the world. Best wishes as we look forward to the future and the excitement that lies ahead in Guiding."

Many thanks to Mr. Digweed and other amateur radio operators who sponsored the event. From Fiona, Janelle, Deanna, Nicole and Mrs. Ruth Teakle, participating Guider - 73's 88's and why don't we make this an annual affair.

Club News and Views

ALGOMA ARC

Still putting out a fine business club bulletin, keep it coming. Congrats to VE3JAB who recently won the QSL of the Month from 73 Magazine. Contact him and see for yourself. The Twin Soo Mini Net meets every night at 2100 hrs on VE3SSM 147.34-94 and their Swap List is on Thursday nights. An invitation to join them anytime is extended to all.

Brantford ARC

Their new Hamtropics repeater is installed at the VE3TCR (Telephone City Repeater) QTH. The frequency for anyone in the area is 147.750-147.150

CHATHAM-KENT ARC

This group is running a BINGO to help sponsor a station at the Public General Hospital -VE3PGH is the callsign. Now that's a great way to help the bank account. Keep up the chips and let's have some photos of the BINGO caller, is done via 2 meters Hi]]]]]

DUNNVILLE ARC

Wilson VE30QI was presented with the Puddin Top Award by VE3MFE George in appreciation and fun for his work with the blind members of the club. This club is in need of some two meter

cavities for their repeater VE3HNR (147.675-147.075). Please contact club Prez. VE3KY0 John Segui, (Callbook address).

LONDON ARC

Their banquet was very successful thanks to Dick VE3LRB for doing a great job. The special draw of a painting was won by VE3CDT, Bill Post and the Amateur of the Year was presented to Frank VE3MGY. The club callsign of VE3LON was quite active from the White Oaks mall display both on cw and SSB. Hugh VE3WM is planning to bake a huge pot of beans for Field Day, and try to use "natural gas" for the extra points. This club now has a ginpole available to assist its members in the tower erection dept. A good idea for ALL clubs to ADOPT. Another display at the Northland Mall had amateur TV thanks to VE3JO John, Earl VE3AGV, and Richard VE3JEV.

NIAGARA PENINSULA ARC

Everyone is resting up from the Ontario Winter Games here in St. Catharines. The special event station CZ3OWG contacted about 3500 stations on cw SSB and RTTY. 60 amateurs took part for three days on two meter repeaters VE3NRS and VE3RAF to pass important scoring results. Many other public service communications events are planned for this summer, such as bikathons, road races, Field Day, Salvation Army Red Shield Drive, etc. The Niagara Regional Police speaker gave a talk on Drug, Alcohol Abuse in the school systems. The annual meeting will take place in June where a new executive will take over. The club call VE3VM will be active from the Lock Three of the Welland Canal all visitors make yourselves known. Monitor VE3NRS 147.240, 147.840 for directions.

Niagara Peninsula ARC Amateur of the Year



Pete, VE3DSW (with mike) presents NPARC "Ham of the Year" trophy to Eric Stabler, VE3ISC at dinner-dance. Eric is a very active club member who gives of his time to help teach CW to would-be hams. And he also participates in many other club activities. Eric is the Field Day Cook for this year and always serves a great breakfast.

NORTH SHORE ARC

A real neat new club logo has been designed by Colin, VE3CEU of the club. It is a very up-to-date and unique design. Also a club name badge was designed by Adam, VE3ODN and new jackets will be seen at various hamfests shortly. The club sponsored fleamarket was a great success financially for both North Shore as well as South Pickering ARCS. Hats off to co-ordinator VE3HAA and VE3CRK. Plans underway to get involved again in this year's Field Day so look out for the best coming from the North Shore.

Continued on page 15

Club News and Views

Continued from page 14

OTTAWA ARC

Recently Keith VE3GFI took the audience to the high Arctic via a slide show called "Arctic Communications" VE3RC the club station will be on during Field Day with 4 stations including OSCAR VE3LAR Mike recently received a Certificate of Merit from the OARC.

PEEL ARC

Dick VE3OHZ led an excursion to one of the largest main computer assisted design (CAD) and drafting facilities at Kilborn Engineering. Also a trip to the Air Traffic Control Centre at Lester Pearson International Airport was on this club's visits lately. This sounds like a very mobile club (hi).

SUDBURY ARC

Thanks to Reno VE3AC Ontario Winter Games messages and spot coverage of the Torch Runners from Sudbury to St. Catharines where they made it with no difficulty. Don't forget to visit the Science North Amateur Radio display when you're in the Sudbury area. In the Sudbury area there are four stations on Packet, with more on the way. Cambrian College is experimenting with the idea of hooking up their main frame to Packet. Sudbury members will be giving of their time for a special Girl Guide parade on June 1st. Recently VE3 KBV Vic gave a real fish story at one of the meetings.

SCARBOROUGH ARC

A group of us went to the Hammond Museum in Guelph and had an eyeball with Fred, VE3HC. Fred gave the tour and made us feel at home. What a place. It should be on ALL amateurs' lists. A good time is during the Guelph Fleamarket. Bob VE3IEL, recently wrote of the Robbie Soccer tournaments and explains how SARC helps out with these sporting events as well as many others. The need of their own two meter repeater was mentioned. I hope you can get it going Bob. By the sound of it your club deserves the very best. (Don't forget good old Wintario grants to help you out). On April 15th a Wireless Nostalgia Night was held at the William Osler Vocational School. Many groups displayed the very different aspects of amateur radio. Let's have some photos of this Jim VE3BZQ and tell the world about it.

SOUTH PICKERING ARC

Ray VE3NBE is this year's Field Day Coordinator and says things are working out quite well and it will be held at Petticoat Creek on the shores of Lake Ontario. (No skinny dipping allowed. Hi). As mentioned before congrats to the members who gave of their time to give other amateurs a great time at the Durham Hamfeast. Congrats to Mike, VE3OYI who is our youngest member.

WELLAND COUNTY ARC

Our annual was a success and a humourous night enjoyed by all. Our Field Day site will be at the QTH of Pres. Ron VE3MX's own private airstrip. This year there is an addition of a 20x40 foot swimming pool and the club members will have a nice family style outing and wiener roast.

WEST SIDE ARC

VE3CHB Don was the winner of the homebrew contest here recently. He submitted an 80 and 20 meter receiver. Nice to see that homebrewing is still among us or at least some of us. Chuck, VE3KA will be looking after VE3CNE at the EX this year, Monday Aug. 26 is WEST SIDE ARC DAY at the EX.

WINDSOR ARC

This club puts out a very informative club bulletin. Lately it has had many articles on the public service communications in the Windsor area and the concern to the amateur of interference to the many electronic devices in one's household these days. Ontario Bicentennial Award winners from WARC are AL, VE3DWE, Mike VE3BJK, Frank VE3EHG and Bill VE3IHB congrats. Hope you liked the award. It was a pleasure to be able to offer it to ALL amateurs. WARC donated \$100.00 to the CNIB to help with the purchase of a talking machine. Other clubs should consider this project. Jerry, VE3EXT did a great job of club auctioneer at the recent auction.

YORK REGION ARC

Recently helped out at the winter carnival in Newmarket. Ever heard of HAMS delivering HOT DOGS[Had any hot dogs lately Murray VE3ATO[

CARF News Service

With vacation time just around the corner, CARF's long-established multilingual service to Canadian Amateurs who plan on operating abroad and to foreign operators coming here, is available by contacting VE2FLB, Bruno Molino, CARF's international affairs official at 26 des Anciens, Gatineau, Quebec, J8T 1P0. Before doing so, make sure that the destination country has a mutual operating agreement with Canada.

Alberta Amateurs can now obtain call-sign license plates free of charge. Contact CARF Mid-West director Norm Waltho, VE6VW, at Box 1890, Morinville, Alberta for details.

The National Parks of Canada organization has asked CARF to locate Amateurs who could assist in celebrating its centennial year by establishing a phone net between its main display at Toronto's Harborfront building and as many National Parks as possible, on the Canada Day weekend, June 30 and July 1. Amateurs who would like to help can contact the national co-ordinator for the Amateurs, Gordon Murray, VE3JSJ. His call book address, 294 First Avenue, Ottawa, K1S 2G8 is okay.

In Glace Bay, Nova Scotia, the local Historical Society is trying to get Parks Canada to turn Marconi's old home and transmitting station into a radio science museum and national historic site. The house and station were built in 1904 and remained in company operation until 1946. Parks Canada has shown interest in the project and is the logical organization to undertake the project because of its experience in building the Alexander Graham Bell museum in Baddeck, Cape Breton, according to the Historical Society.

Amateur station licenses previously issued for five years have been renewed for one year. A DOC source said that the change has been made to simplify prosecution of persons charged with unlicensed operation because of non-payment of annual fees. The offenders put up the defence that their licenses were valid for five years.

The latest DOC figures show that 23,251 amateur station licenses issued to date. The number of amateurs is not known because Certificates are good for life.

CRRL News

Congratulations to Richard Miller, VE3CIE, who won a *QST* Cover Plaque Award for his fine article, *Radio Aurora* in January's *QST*. Congratulations to David Toth, VE3GYQ, who was recently appointed Vice Chairman of the ARRL Repeater Advisory Committee.

CRRL Counsel Bob Benson, Q.C., VE2VW, is moving his office. Effective May 1, contact Bob at Suite 1600, 2020 University Avenue, Montreal, Quebec H3A 2A5.

In what is believed to be the first case of its kind in Canada, an amateur is being sued for allegedly interfering with non-radio equipment. Jack Ravenscroft, VE3SR of Kanata, Ontario, was served with a \$35,000 suit after a neighbour complained that Jack's 20-metre transmissions repeatedly turned on a microwave oven and spoiled the sound from an electronic organ. Most amateurs believe that if this should ever happen to them, they will be adequately protected by the law. This view is naive. There is always the possibility that an unsympathetic judge, unfamiliar with appropriate precendents or with Amateur Radio, could rule against an amateur. This would lead to costly appeals and an uncertain outcome. Jack is receiving help from several sources. CRRL Counsel Bob Benson, Q.C., VE2VW, has supplied legal background. CRRL Ontario Director Ray Perrin, VE3FN, has filed an affidavit in Jack's favour. Ottawa Amateur Radio Club has set up a Jack Ravenscroft Defence Fund. Amateurs anywhere, interested in contributing to this fund, should contact:

OTTAWA AMATEUR RADIO CLUB
Box 8873, Ottawa, Ont. K1G 3J2.
See page in this issue for a further indepth article on this matter.

DOC has informed CRRL of a new reciprocal operating agreement with 9Y, Trinidad and Tobago. The agreement took effect on April 1. Dates to remember:

	June 1	Guelph Fleamrket
	June 14	Teleconference Radio Net
	June 19	DOC Examinations
		ARRL Field Day
		ARF Canada Day Contest
		CRRL Board Meeting
E	xamination Schedu	

DOC will hold Amateur Radio examinations across Canada on February 12, April 16, June 18 and October 15. Closing dates for applications are January 15, March 19, May 21 and September 17, or about one month before the date of each examination. Remaining dates for DOC examinations in 1985 are June 19 and October 16. Closing dates for applications are May22 and September 18.

ATTENTION

New Bulletin Editor
Ray Pellowe VE3BAK

1 Doncliffe Drive
Toronto, Ontario M4N 2E5

SEND MATERIAL TO HIM
DIRECTLY

Let's keep growing



THE SOUTHERN ONTARIO REPEATER TEAM, INC.

presents

CRSO'85 RONDON

The Radio Society of Ontario/Canadian Radio Relay League Joint Annual Convention September 27 - 29, 1985
Holiday Inn - City Centre

CONVENTION CHAIRMAN: DIZ DE ZORZI, VE3ZK CONVENTION HOTLINE: (519) 471-7691

London Awaits

London, Ontario, nestled in the heart of southwestern Ontario is anxiously awaiting the invasion of amateurs that is forecast by the Southern Ontario Repeater Team, Inc. to take place on the weekend of September 27-29 1985.

The event is the combined 17th Annual Radio Society of Ontario and the 1st National Canadian Radio Relay League Convention.

London is located on Highway 401 about 2 hours from either Toronto or Windsor. It is home to over 200 amateurs and within easy driving distance of over 12,000 not counting our American friends in the northern states.

The area abounds with history and there are plenty of attractions to see while you visit the area like Eldon House, built in 1834 or the Lawson Museum or Labatt's 1828 Brewery where the original 807s came from.

London boasts over 2300 acres of lush parkland with 160 parks. No wonder they call this the Forest City.

London is also home to the University of Western Ontario where the enrolment reaches 20,000 students and a faculty of 3700. The campus covers 378 acres and it alone is worth your visit to London.

So why not register now, using our \$2.00 off coupon to save even more, and plan to visit London in September.

PROGRAMME

The following programme outline will give you a taste for what to expect at RSO/CRRL '85 in London, Ontario this September.

Friday, September 27th

- Giant Product Show
- "Early Bird Eyeball" Wine and Cheese Party.

 Co-sponsored by the Government of Ontario

Saturday, September 28th

- Giant Product Show
- Top Flight Speakers on every subject imaginable
- Contests and Prizes
- Partners' Programme
- Gala RSO/CRRL '85 Banquet
- Entertainment
- Induction Ceremony into the Royal Order of the Wouff Hong

Sunday, September 29th

- Giant Product Show
- More First Run Speakers
- Contests and Prizes
- Demonstrations

TALK-IN WILL BE AVAILABLE ON VE3TTT — 147.78/18 LONDON, ONTARIO

We want your visit to RSO/CRRL '85 to be as pleasant as possible so we are training a cohort of operators to make your getting around London as simple as possible.

Talk-in operators will be standing by for your call on SORT's repeater, VE3TTT (147.78/147.18), which is located at the Convention site. For HF enthusiasts we plan to set up and operate an 80 metre station on the ONTARS net frequency (3.755) each day of the Convention. This can be used as an HF call-in frequency or you may be able to operate while at the Convention. This may be of interest to ALL you white caners out there.

For more exotic amateurs we will also be available on 70cm on VE3SUE (449.4/444.4).

So no matter what you use you should be able to get help when it is needed from the able staff of RSO/CRRL '85 under the direction of Mike Watts, VE3ACW, Communications Chairman.

Something for Everyone

RSO-CRRL '85 Convention Program. Outstanding.

That's what you'll say when you attend the RSO-CRRL '85 Convention. Just take a look at this list of program speakers. Also, we have established a Convention Hotline to answer your personal questions. Just call (519) 471-7691 between 1800 and 2300 local time, Monday to Friday or between 1200 and 1800 local time on the weekend.

AMSAT Director John Henry, VE3VZ, on how to set up your own satellite station. John will speak on Saturday and conduct a tutorial on Sunday morning.

QST author and TOA VHF-UHF Editor Richard Miller, VE3CIE, on VHF-UHF propagation. Read Richard's article on Aurora in 1985 January QST. It's a classic.

CRRL Ontario Section Manager Larry Thivierge, VE3GT, and section personnel from east to west on public service communications. What's the "state of the nation]" How can public service communications be improved] How can we get more amateurs interested in public service work]

IARU President Richard Baldwin, WIRU. Back in '79, IARU brought you the new bands at 10, 18 and 24.5 Mhz. Dick will give you the inside story and describe a current IARU project — an amateur license that could become accepted worldwide.

CANAD-X President and CQ author Tony Ward, VE3IAT, and the whole CANAD-X gang on operating from exotic parts of the world. This afternoon-long session will feature presentations by Andy McLellan, VE1ASJ, Garry Hammond, VE3XN, Tony himself, and more.

TCA Microwave Editor Michael Ross, VE2DUB, on how to get started with Gunnplexers. Gunnplexers have been used for repeater links, propagation studies and setting next CX records. Fascinating.

CRRL Ontario Technical Coordinator Syd Horne, VE3EGO, on combining technologies from amateur television, Telidon and packet radio. Syd plans to demonstrate.

Former QST Technical Editor Doug DeMaw, W1FB. We're twisting Doug's arm to do two forums, one on homebrew design and one on antennas. If you've enjoyed reading Doug's articles in QST, you'll enjoy hearing him in person.

CRRL Legal Counsel Bob Benson, Q.C., VE3VW, on Ham Radio and the Law. He's helped amateurs and Amateur Radio groups from east to west. Find out the true facts about those antenna and tower by-laws and what you can do about them.

Radiosporting Editor Yuri Blanarovich, VE3BMV, on contesting. If you've always wanted to try a contest, but thought, "I'll never stand a chance," this forum is for you. Tips from a pro.

Technical Author Phil Gebhard, VE3ACK, on using Smith Charts to optimize antenna performance.

PACSAT Project Manager Harold Price, NKSK. If you're into packet radio, Harold's name is a household word. We're twisting Harold's arm to do two forums, one on digital techniques and one on PACSAT, the new packet radio satellite now under construction. Hear all about this "Flying Mailbox."

CRRL Past President Mitch Powell, VE3OT, on teaching Amateur Radio. Mitch is a master teacher whose classes at Fanshawe College, London, turn out 25-40 active, enthusiastic amateurs every year. Learn how to set up a course, teach the code and theory, and be successful.

Bill DeCarlo, VE3OBE, on his recent breakthroughs in coherent CW. Bill uses computers to clean up signals buried in the noise. It's an advanced technique, and he'll show you just how it's done.

CRRL, CARF and RSO forums. These people are your friends, all volunteers. Find out what they are doing for you. DOC Forum. By convention time, DOC should have released its proposals on "deregulation of mode subbands" and "restructuring of the Amateur Service." Get your information from "the source."

ALSO ON THE AGENDA...

CNIB Hospitatility arranged. The CNIB will host all white caners from 0900 to 1700 on Saturday, Sept. 28 in the Pool Bar on the 3rd floor of the Convention Hotel.

Plan to attend the Induction Ceremony of the Royal Order of the Wouff Hong at midnight Saturday, Sept. 28. This is a rare opportunity for you to become a member of this old and venerable secret society. All amateurs welcome.

Computer enthusiast? When we planned the site of RSO/CRRL '85 we kept amateurs who are also computer enthusiasts in mind. Within a 5 minute walk of the hotel, there are at least 10 microcomputer and/or software stores handling Atari, Commodore, IBM, Apple, Radio Shack, etc. All the major software houses are represented and most are discounting heavily.

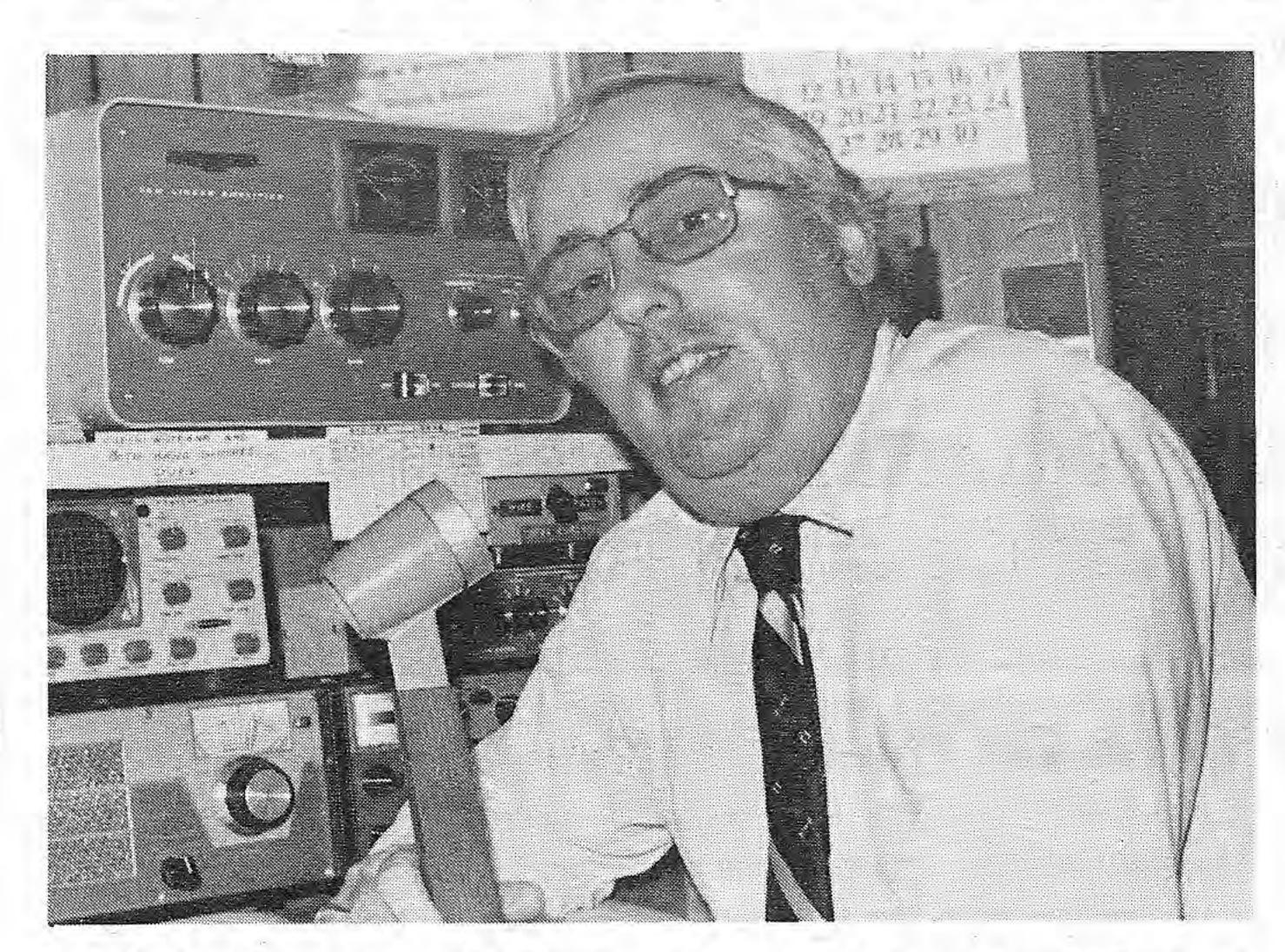
Hunting for parts? There are 2 surplus stores in London — Buckland's and Forest City Surplus. Both have a good selection of hard-to-find treasures. They will be worth the look while you are in London.

With all these choices, your head should be swimming. Sorry, but it's not going to get any better. At press time, your RSO/CRRL '85 Programme Committee was arranging for even more speakers: ARRL staffer to speak about product testing or the production of QST; a representative from the cable television industry to speak on CATVI; a university researcher to speak on HF propagation; representatives from industry to speak on cellular radio, M-SAT, ASCB and Telidon; and more. The program will run all day Saturday and on Sunday morning. You will have a problem. There will be so many excellent speakers, you may not be able to choose. Your Programme Committee will try to help by having some speakers repeat their presentations on the Sunday morning. Of course, you don't have to go to any of the programme. You can just sit back, relax, and enjoy the finest in Amateur Radio video, courtesy of CRRL, ARRL and others. Take in the cw receiving contest, or the hilarious QLF "Quick Left Foot" sending contest, imported all the way from Manitoba-Dakota's International Hamfest. Enjoy the banquet and the entertainment, and get ready to meet in solemn conclave, at midnight, for initiation into the Royal Order of the Wouff Hong. You don't have to go to any of the programme at all. But think of what you'll miss if you don't.

RSO/CRR	L '85 TIC	KETS	
AMATEUR REGISTRATION	PARTY		\$ 5.00
PARTNERS' PROGRAMME (in advance)			
ADVANCED REGISTRATION	CLOSES FRI	DAY, SEPTEMBER	<u>R 6th</u>
SAVE BY SENDING YOUR \$2.00-OFF COU	PON WITH YO	OUR ADVANCED F	REGISTRATION
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AMATEUR REGISTRATION*	@ \$10.00	•	
PARTNER REGISTRATION*	@ \$ 5.00	\$	
"EARLY BIRD EYEBALL"	@ \$ 4.75	\$	
GALA RSO/CRRL BANQUET	@ \$19.75	\$	
PARTNERS' PROGRAMME	@ \$16.25	\$	
(includes Luncheon)			
	SUB-TOTAL	\$	
*DEDUCT \$2.00 FOR EACH \$2.00 OFF COU	JPON		
INCLUDED (1 per registrant allowed)		\$	
TOTAL	REMITTED	\$	
MAKE CHEQUES PAYABLE	TO: RSO/CR	RL '85 CONVENTI	ON
MAIL TO: RSO/CRRL '85			
P.O. BOX 73, I	HYDE PARK,	ON NOM 1ZO	
HOLIDAY INN R	FSFRVA:	TION FORM	
RSO/CRRL '85 CONVEN DEADLINE FOR RESER	TION - SEPT	Г. 27, 28, 29, 1985	
NameAddress		Phone (
City	Pro	ov./State	PC
Arrival Date Before After		Departure Date	
RATES (per night) CHOOSE ONE:			
Single \$64.00 Double \$64.00)	Triple \$70.00	Quad \$76.00
GUARANTEED:			
MASTERCHARGE/VISA	Expiry Da		
MAIL TO: HOLIDAY INN - CITY CENTRE, 3	300 KING ST.,	LONDON, ON NO	6B 1S2

DO NOT SEND WITH REGISTRATION FORM

Meet the Convention Committee



VE3ZK, Diz De Zorzi, Convention Chairman, seen here at his home station. First licensed in 1964 as VE3FWS, Diz is active in HF (mostly on 80 metres), on VHF and UHF, and recently has been operating a Radio MSO on both 75 and 2 metres.

As if that wasn't enough he is also the trustee of a 2 metre repeater in Lucan, Ontario, VE3MCR, and soon hopes to add UHF and 6 metres to the package. He is employed by the Middlesex County Board of Education where he is the Assistant Superintendent of Business. He is also an active partner in Tenex Communications Inc., a commercial two way radio sales and service business operating in the London area. Diz was the Convention Chairman in 1978 when London last hosted the RSO Convention so you know that it will be first rate. Diz is married to Joan and they have three children and two grandchildren. He is active in community affairs and served on London City Council from 1973 to 1982. He retired to devote more time to Ham Radio, hi, hi.

IZES*PRIZES*PRIZES*P

The Committee has been gathering prizes from across the country so you have a good chance to take home one from RSO/CRRL '85.

There will be a special drawing at the Friday Night Early Bird Eyeball for a major prize. Only tickets sold that night will be eligible. Each Amateur registration entitles you to a FREE chance on hourly draws throughout the Convention as well as a chance on the SUPER PRIZES. Extra tickets will also be available for sale so that you can increase your chances on the SUPER PRIZES.

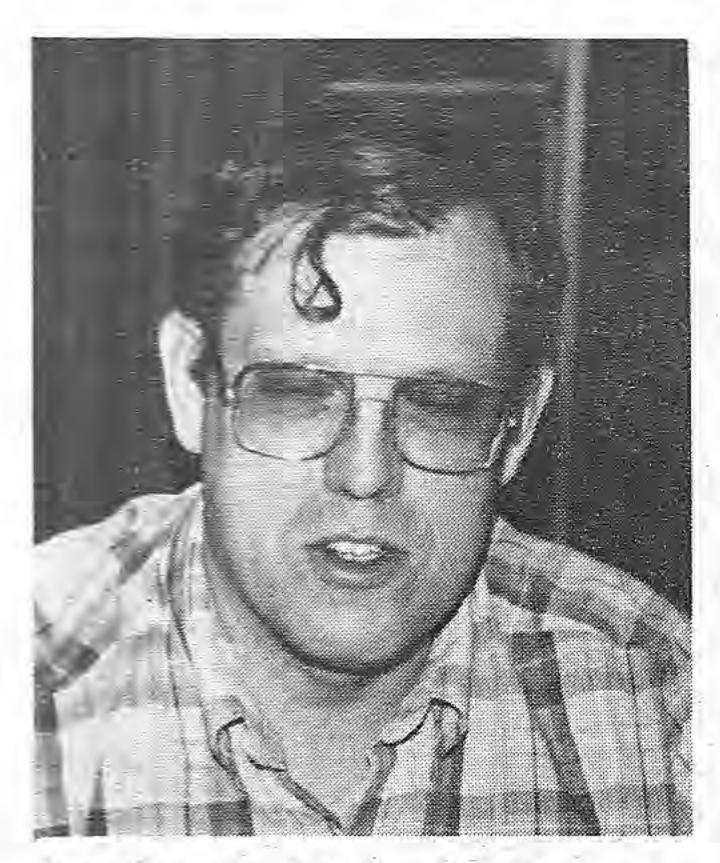
As well, some suppliers have advised us that they will be offering FREE chances on products at their booths during the PRODUCT SHOW. So come away a winner by attending RSO/CRRL '85. You may go home with that DREAM STA-TION you always wanted.





A busy Committee meeting, one of a series held monthly since September, 1984.

From left to right: VE3BDZ, Ron Bell, RSO Liaison; VE3NMT, Rob Hockin, Treasurer; VE3LST, Len Dantzer, Prize Committee Chairman; VE3CFD, Gord Wood, Advertising Chairman; VE3BTZ, Bob McManus, Registration Chairman; VE3MGY, Frank Salter, Secretary; VE3AOK, Kathy Clark, Partners' Programme Chairman. Foreground, the head of VE3ZK, Diz De Zorzi, Convention Chairman.



VE3GRO, Harry MacLean Programme Co-Chairman



VE3AOK, Kathy Clark Chairman Partners' Programme



A special invitation to all the "Partners" from the "Partners" programme chairman for the RSO/CRRL '85 Convention

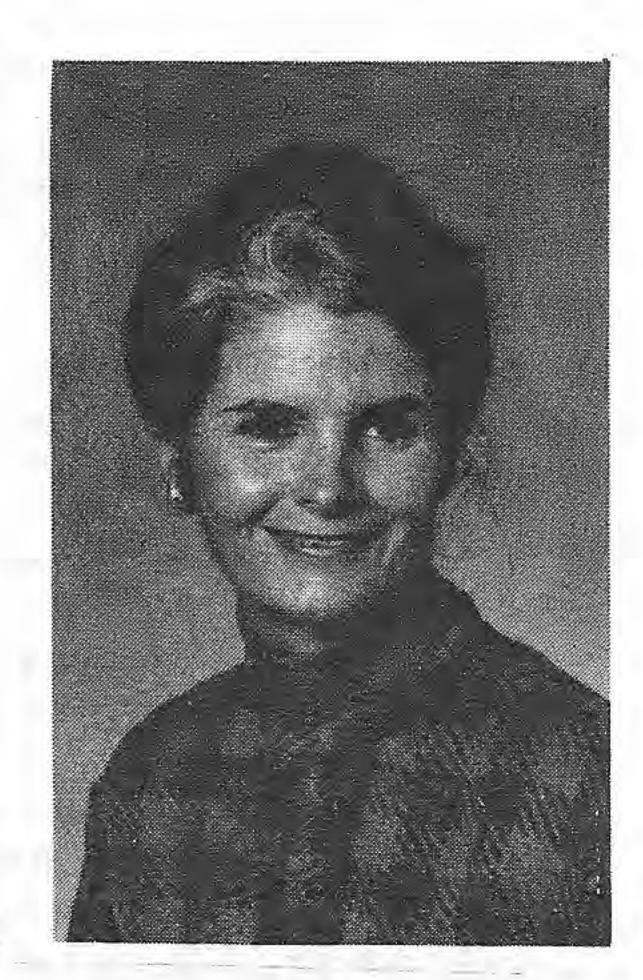
Kathy Clark, VE3AOK

This is a special invitation to the "Partners" who are coming along to enjoy the weekend in London.

In addition to the Friday and Saturday evening entertainment, on Saturday morning, we will be taking you on a tour of our beautiful forest city. A tour guide will be on each bus, to show and explain to you our city along the route. We are planning a few interesting stops along the way. The tour will be followed by a lunch at the Holiday Inn. This will be a good opportunity to meet old friends, make new friends and listen to a dynamic speaker, Pauline Duncan.

Pauline is a distinguished Toast

Master, a television writerproducer and has her own TV
show, "Pauline's Speakeasy."
She is sought after as a seminar co-ordinator by both
business and community
groups. Her major subject is
communications and she will
be speaking on "Communications with Humour."
After lunch you can do
a little shopping, as the
Hotel is surrounded by the
downtown shopping area.
Looking forward to meeting you.



Air Canada Named Official Airline

Your meeting is registered with Convention Central, Air Canada's exclusive reservations service for convention delegates. Benefits include:

Convention Fare*: Save at least 20 percent with our new Convention Fare, available only through Convention Central. Should you qualify for other fares that represent greater savings, your reservations will be confirmed at the lowest available.

Car Rental: If you like the convenience of a car when you arrive, Air Canada has arranged an attractive convention rate with Tilden. The savings are substantial, and available only through Convention Central.

Here's All You Do: Call our toll-free number, identify yourself and your meeting, and our convention specialists will do the rest. If you customarily use a corporate travel department, or travel agent, have them call on your behalf. They can obtain the same benefits for you.

Call "Canada's No. 1 convention airline"...weekdays 9:00 a.m. to 8:00 p.m. EDT/EST.

*Certain advance purchase conditions apply.

Banquet with a Difference

We know how dull and dry a Convention Banquet can be with speaker after speaker droning on about Lord knows what. We have snoozed through some of them too. So when SORT planned this year's banquet we wanted to give you something that would be more to your liking. Something you would be talking about for years to come. Sure, we would by lying if we told you that there would be no speeches, but we promise that they will be a minor part of this banquet. Our Master of Ceremonies Paul Cutsey, VE3JP, will be keeping his stopwatch on them. Honestly, we have had really great cooperation from both the RSO and the CRRL Executive in this regard and they are trimming the speeches to the bare minimum.

What we want you to really enjoy is the lineup of young talent that will be performing for you. For instance, the North American Champion High School Jazz Stage Band from Strathroy District Collegiate. They play "The Big Band Sound." Also, recording stars "The Joy Belles" a delightful trio, and others too numerous to mention here. For your cocktail hour music listening pleasure, you will most certainly enjoy the piano style of Derek Dier, VE3MGU who can play most any request and then some. You will just have to attend to find out all the surprises we have in store for you that night. Don't wait until the Convention as we think that this event will be a sell-out. Send your advance registration in today.

FOR FURTHER INFORMATION:

Write to: RSO/CRRL '85, P.O. Box 73, Hyde Park, Ont. NOM 1Z0 or Call our HOTLINE at (519) 471-7691

ADVANCED REGISTRATION DEADLINE DATE - SEPTEMBER 6, 1985.

NEW HORIZONS

Bruce Woodall VE3NO

Bruce passed away on March 9, 1985 in his 83rd year.

His devotion and loyalty to his fellow hams will be difficult to surpass. In the mid 20's as a member of the ARWA and a member of the Scarborough ARC when they had their meetings in the basement of Barney's drug store.

After W.W.II, countless phone patching -Alert, Canadian Troops in Egypt, Cyprus, Israel and his ham friends in Florida.

Bruce took over the 9 to 10 spot on Ontars in 1977 - continuing until his health forced him to retire, earlier this year.

Bruce made the co-ax dipoles for the CNIB, Amateur Radio Program. I visited Bruce innumerable times to pick up antennas. We always had a chat on the veranda or in his living room. Never a bad word about anyone, just chuckles about the "check ins" on Ontars.

When Bruce was released from hospital, his daughter Jean and her husband, Fred, took him to Bolton and with the help of many hams, his gear was moved to Bolton and new antennas were installed. He had dinner with his family on Monday, March 4th and later that week was rushed to the hospital and passed away on Saturday.

Our deepest sympathy to Jean and Fred McLeod and a sincere thank you for making Bruce's final days so comfortable.

The Wireless Nostalgia Night - Theme - to circulate, communicate and enjoy. The evening was made possible by the Scarborough ARC on March 15th.

Exhibitors:

The Ontario Trilliums Dept. of Communications Ontario DX Association 10-X International Red Cross, Scarborough Branch CARF CNIB Amateur Radio Program Ontario Vintage Radio Association South Pickering ARC Peel ARC Fred Hammond Museum CRRL RSO

In the auditorium, a skit - a 100 year old telegraph sounder operated by Bert, VE3FSG with steam train effect in the background. An auction of several vintage wireless items followed. Who's using the 100 year old telegraph sounder on 75

Three of my white cane amateur radio operators, Harold VE3OOM, Rudie VE3OUA and Gerry VE3001 manned the CNIB Amateur Radio Program table. Needless to say, I'm very proud of them.

The RSO delegates committee prepared a safety leaflet passed it out at the Wireless Nostalgia Night. Look for it in London, Sept. 27-29. Excellent Bob, VE3IEL.

Hospitality Suite confirmed - 9a.m. to 5p.m., Saturday, September 28, 1985.

Fred Roberts, VE3AFA CNIB Amateur Radio Program

VE3AW Memento Available to Whitecaners

The many friends in attendance at the funeral service for David Lloyd VE3AW last June 11, felt that the eulogy given by Reverend Lawrie Purdy, VE3FPF, who officiated, one of the most inspiring they had ever listened to. At the request of many amateurs, and particularly of David's old friends among the "Whitecappers" then present, Lawrie very kindly took time out of his summer vacation to re-create the complete service on audio cassette. Arrangements have just been completed to make available copies of this cassette, which has a listening time of about 25 minutes, to registered Whitecaners who write to the CNIB Amateur Radio Program giving full name and address. Address: 1929 Bayview Avenue, Toronto, Ont. M4G 3E8. Kindly allow up to four weeks for the special processing necessary.

Coming Soon THE SWAILER

An R.F. Output and S.W.R. Audio Indicator for the "White Caner" operator.

FLEA MARKET AUCTION SALE

BRANTFORD ARC

Saturday, August 17, 1985

0800 to 1400 local time WOODMAN PARK COMMUNITY CENTRE 491 Gray Street, Brantford, Ontario

> Admission: \$2.00 Kids under 12 FREE

INFO: GARRY, VE3MWL P.O. Box 512, Brantford, Ontario

Monitor VE3TCR 147.150 plus 600 or 146.520

Hot Watch

Report all stolen equipment to: HOT WATCH c/o VE3OEC, Bob Fletcher 208 Admiral Drive, London, Ont. N5V 1H8 1-519-455-9547

Help Wanted Advertising Manager

Toronto Area Call Al, VE3DQJ (416) 889-0295 or write c/o 21 Ida Street, Thornhill, Ont. L3T 1X4

Eleventh Annual ONTARIO HAMFEST



MILTON FAIRGROUNDS Saturday, July 13, 1985

Hosted by Burlington Amateur Radio Club

PRE-REGISTRANTS DRAW

By pre-registering prior to June 15, you will be included in the special Ontario Hamfest prize draw.

Registration after June 15 will be \$4.00. Please make cheques payable to:

ONTARIO HAMFEST

Mail To:

TICKETS

ONTARIO HAMFEST

P.O. BOX 836, BURLINGTON, ONTARIO L7R 3Y7

Don't hesitate to pre-register as all activities will be held inside in the event of rain — Flea market excepted.

Gate opens at 7:00 a.m.

Refreshments available. Hourly Door Prize Draws - Free.

Weekend Camping

10 minute walk to downtown shops.

Superprize. Complete Outfit. ICOM 745.

All band receiver plus power supply. Automatic antenna tuner and desk mic.

The Bottomless Coffee Cup

Prizes Galore.

Total Enclosed

over \$3,000.00 worth.

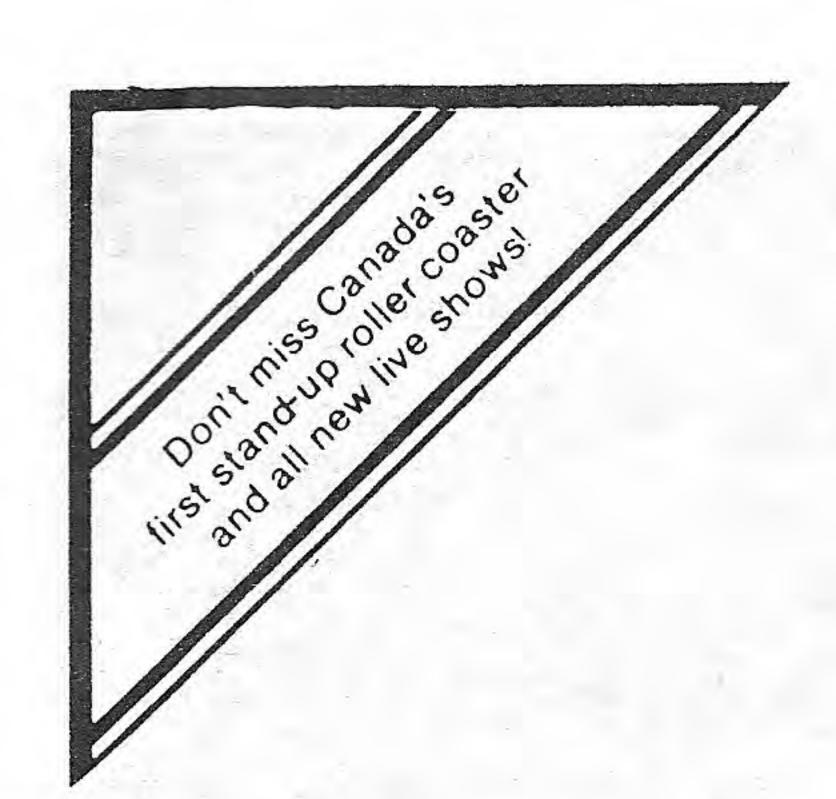
HOISTERS INTERNATIONAL

Rate a raising contest for club teams



PRE-REGISTRATION FORM - TOA-RSO

Name	
Call	
Address	
City	
Postal Code	
Please send the follo	owing:
Registratio	ns at \$ 3.00 each
Weekend Campsite Re	es. at \$10.00 each
Superprize	
Tickets	at \$ 2.00 each





Amateur Radio Days July 27, 28, 1985

Canada's Wonderland is pleased to invite all Amateur Radio Operators, their family and friends for a fun-filled day of excitement at Canada's Wonderland.

Special Value

Your special price for the Pay-One-Price Passport is only \$9.95 prepaid per person (regular price is \$15.95), a savings of \$6.00 per Passport. Tickets are valid on July 27th or July 28th, 1985.

The Pay-One-Price Passport includes grounds admission plus unlimited use of all* regular rides and shows at Canada's Wonderland.

New In '85

There's standing room only on Canada's only STAND-UP ROLLER COASTER. This exciting ride carries riders in a standing position over 2,210 feet of steel track, through a 360 degree vertical loop and a spectacular 540 degree horizontal loop that places riders parallel to the ground.

Also, don't miss our ALL NEW BROADWAY STYLE LIVE SHOWS.

It's Easy

Just follow the steps below:

- Complete the order form below, and mail it along with payment to the Group Sales Department, Canada's Wonderland, P.O. Box 624, Maple, Ontario, L0J 1E0
- Please make all payments payable to 'Canada Wonderland' and in the form of cash, certified cheque or money order. No personal cheques will be accepted.
- All Order Forms must be received by Canada's Wonderland by July 2nd, 1985. Tickets will then be mailed to you.
- For further information, please contact the Group Sales Department at Canada's Wonderland (collect) at (416) 832-7000, Ext. 392.

*Some rides and shows may not be in operation on day of use; excludes food, games, merchandise, parking, special attractions and the Kingswood Music Theatre.

All prices, programs, and policies are subject to change without notice.

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Amateur Radio Days

July 27, 28, 1985

	Our	y 21, 20, 1000		
Club				
Contact's Name				
City		Prov	Postal Code	
Phone Number	(Mon-Fri. 9-5)			
	We need	Passp	ort at \$9.95 each = \$	
345			Total enclosed	



Setting the competitive standard in QRP CW has been our tradition through two generations of Transceivers. Now that tradition for excellence in performance, price and value brings to a new generation Heathkit Transceiver state-of-the-art microelectronics and lightweight portability.

Designed for broadband coverage of 250 kHz of CW on 80, 40, 20 and 15 meters and expandable to the 30, 17, 12 (WARC bands) and 10 meters, the HW-9 brings greater versatility, reliability and ease of use to the fields.

The HW-9 eliminates the necessity to fine tune each band. Its wide-band front end uses a double balanced mixer and 4-pole crystal

filter to pull in wide dynamic range signals. Solid state T-R switching provides for full break-in on any band. And the automatic AGC provides superior receiver performance and audio response.

The unit features single conversion in the main signal path, greatly reducing spurious responses while attaining outstanding image rejection. A full four watts of RF output power (three watts on 10 meters) is available on transmit RIT (Receiver Incremental Tuning) permits tuning the receiver 1 kHz above or below the transmit frequency. And the tuning dial is calibrated in 5 kHz increments for easy identification of frequency.

Rugged and lightweight, the HW-9 is ideal for portable operation. Transceiver can be powered from batteries, a lighter socket, solar power units or 120 240 VAC with the HWA-9 compatible power supply.

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